ST JOSEPH ENGINEERING COLLEGE

VAMANJOOR, MANGALURU - 575028

An Autonomous Institution

Affiliated to VTU Belagavi, Recognised by AICTE New Delhi, Accredited by NAAC with A+ Grade

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACCREDITED BY NBA, NEW DELHI

PRODIGI EXPRESS

2021

VOLUME X

St Joseph Engineering College (SJEC) is an Autonomous Institute under Visvesvaraya Technological University, Belagavi, Karnataka State, and is recognized by the All-India Council for Technical Education (AICTE), New Delhi. SJEC is registered under the trust "Diocese of Mangalore, Social Action Department".

Established in 2002, the College offers top-class education in Engineering, Business Administration and Computer Applications at UG, PG and Research levels. It has well-qualified staff, state of the art laboratories and all facilities. Presently about 2300 students are studying in the College.
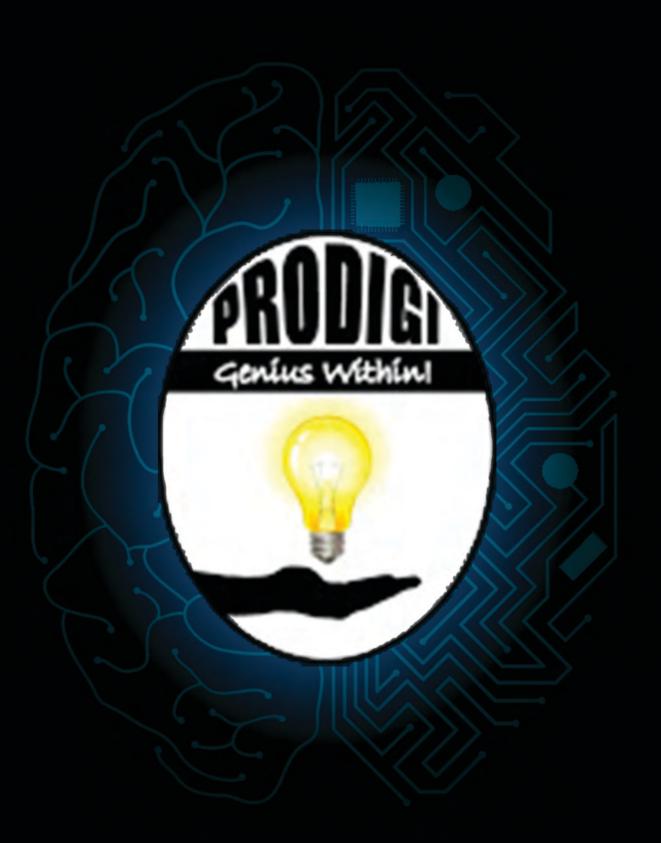
The UGC granted autonomous status to the Institute from 2021. At SJEC, the OBE system has been implemented since 2011. Four of the UG programs, namely Computer Science & Engineering, Mechanical Engineering, Electronics and Communication Engineering, and Electrical & Electronics Engineering, have full accreditation from the NBA until June 2022. Also, the institution has been accredited with A+ grade by NAAC and is valid up to February 2026.

The College provides for a wide variety of co-curricular and extra-curricular activities, which give a head-start to students, developing their personality and imparting skills of decision-making and leadership. Campus Placement Department assists student's secure good jobs.

The Department of Electronics and Communication Engineering was setup during the inception of the college in 2002. With the effort of well qualified faculty and best infrastructure, the department has grown from strength to strength in the last decade. Currently, the student intake is 120 at the UG level and 18 at the PG level. Also, the VTU has approved the department to offer Ph.D / M.Sc (Engg) by research from 2015. The faculty of the department are actively involved in teaching and research with specializations in Communication, Signal Processing, Embedded System and VLSI. The department encourage students to present papers in symposium and conferences, and to participate in various intercollege technical and nontechnical events.

The department is well equipped with state-of-art laboratories with the latest tools such as Cadence VLSI Design Suite, Xilinx Vivado-2018, MATLAB 2018, ARM CORTEX, LABView, Multisim and NEXYS 4 DDR Artix-7 FPGA Board, to make students Industry ready. In addition, the department has Biomedical Electronics Research Lab to encourage students to develop projects in the field of biomedical signal processing in association with Father Muller's Research Centre and Hospital. The department has MOU with "Karmic Design Pvt Ltd" Manipal to facilitate the students in semiconductor chip design. The department actively organizes Industry visits, National Level Conference, Workshops, Technical talks from Industry/Academic experts in order to enhance their learning abilities, creative thinking and also to bridge the gap between the Industry and Academia.

The Department of Electronics and Communication is proud to announce that the UG Student project titled "Automated Union Over Touch Enabled System(AUTES) "has been awarded as the Best Project of the Year 2017-18 (41 st Series), by KSCST Government of Karnataka.

PRODIGI
Genius Within!

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VISION

To Excel in Electronics and Communication Engineering Education and Research, focusing on the needs of Industry and Society, with professional ethics.

MISSION

Provide opportunities to deserving students for quality professional education in the field of Electronics and Communication.

Design and deliver curricula to meet the changing needs of industry through student centric learning methodologies to excel in their profession.

Recruit, Nurture and Retain best faculty and technical manpower.

Consolidate the state-of-art infrastructure and equipment for teaching and research activities.

Promote all round personality development of the students through interaction with alumni, academia and industry.

Strengthen the Educational Social Responsibilities of the institution.

PRODIGI

PRODIGI is a students' association of the Electronics & Communication Engineering Department. The word 'PRODIGI' means a young person with exceptional qualities or abilities - a name befitting each and every member of the association. The association is spearheaded by the student office bearers and student members along with the guidance of HOD and the faculty coordinators. Association is an intellectual hub for nurturing creative, inherent and inert talent. It conducts technical talks by renowned resource persons from academia and industry, peer learning talks, workshops and other extracurricular activities throughout the year.

PROGRAMME EDUCATIONAL OBJECTIVES

I. To provide students with a solid foundation in mathematical, scientific, Electronics and Communication engineering to analyze data and technical concepts for application to product design and also to pursue higher education.

II. To train students with good scientific and engineering breadth, including proficiency in software language and use of latest software tools so as to comprehend, analyze, design and create novel products and solutions for the real life problems.

III. To develop skills in students for successful careers in industry that meet the needs of Indian and multinational companies, through rigorous education.

IV. To inculcate in students professional and ethical attitude, effective communication skills and teamwork, multidisciplinary approach, and an ability to relate engineering issues to broader social context.

V. To provide students with an academic environment to become aware of excellence, leadership, written ethical codes and guidelines, and the life-long learning needed for a successful professional career.

PROGRAMME OUTCOMES

Engineering Graduate shall be able to

1. Apply knowledge of mathematics, science and engineering fundamentals, and Electronics and Communication Engineering for the solution of engineering problems.

2. Identify, formulate and solve engineering problems.

3. Design electronic systems, components or processes to meet desired specifications within realistic constraints of economic and environmental standards.

4. Design and conduct experiments, as well as to analyze and interpret data pertaining to electronic systems.

5. Use computer aided software tools and techniques for solving electronics and communication engineering problems.

6. Demonstrate awareness of contemporary engineering problems.

7. Apply engineering solutions in societal and environmental context.

8. Understand professional and ethical responsibility.

9. Function within multidisciplinary teams.

10. Communicate effectively in terms of system specifications within the team.

11. Demonstrate the understanding of management principles as applied to the specified work and apply this knowledge to manage the projects as a member and leader in a team.

PROGRAMME SPECIFIC OUTCOMES

Engineering Graduate shall be able to

1. Participate and succeed in competitive examinations.

2. Understand technological advances in industry through Industry Interaction.

Best Practices in the Department

Encouraging students for Product and Research oriented Projects.

Implementation of Active Learning Strategies, Collaborative, and Project based Learning and use of Learning Management Systems in all Courses.

Bridge courses for difficult subjects and Open-ended experiments in all Labs.

Industry Orientated Activity Labs, Industrial Visits, Internships, Online Courses, Remedial Classes and Gate Coaching.

Peer Teaching/Learning and unique Mentoring Process by each Faculty.

Alumni and Industry Interactions.

PRODIGI OFFICE BEARERS

PRESIDENT

Hitesh D S

VICE-PRESIDENT

Joel Mascarenhas

SECRETARY

Carlton Hansen Lobo

TREASURER

Katherine Helen D Souza

PRODIGI CO-ORDINATORS

Ms Vijayalaxmi H Manjunatha
ASST. PROFESSOR

Ms Jennifer C Saldanha
ASST. PROFESSOR

Message from the Director

The academic year 2020-21 was a challenging, yet very satisfactory one as we witnessed the institution take rapid strides in all its endeavours, accomplishing several milestones along the way. Amidst all the chaos created by this unending pandemic, it is heartening to note that the Department of ECE is coming out with yet another issue of Prodigi Express.

The newly instated institutional Autonomy is sure to open up a plethora of opportunities in the technology sector and the department is going to be at the forefront of it. The collaboration with industries in the preparation of the new curriculum will ensure that the students entering this department will learn relevant technologies and be industry ready at the end of their graduation.

Showcasing efforts and achievements are important in our journey towards excellence. We derive inspiration from our past victories and learn from challenges that were surmounted. The Department Magazine is one such repertoire of experiences that will guide us as we march on. I am sure that this edition of the magazine will successfully engage the readers through thoughtful articles and showcase the wonderful work carried out in the Department of Electronics and Communication Engineering.

I congratulate the editorial team of Prodigi Express for yet another successful issue and also would like to wish the Department well in all its activities.

Rev. Fr Wilfred P. D'Souza
Director - SJEC

Message from the Assistant Director

"A person who never made a mistake never tried anything new." says Albert Einstein. I take this as an opportunity to congratulate Electronics and Communication department for their tireless efforts in publishing PRODIGI EXPRESS 2021.

Good seed succeeds in giving good fruits; in a like manner Electronics and Communication department in our institution is investing its maximum energy to reap good fruits. Prodigi Expesss 2021 is the result of their hard work and commitment. We human beings always move towards success. When we receive good fruits we must not be satisfied with it rather we need to make every effort to get better and best fruits. We do make mistakes; we do face failures that should not stop us in trying more and more. The same principle must be applicable to us; we always need to focus our attention to reach that destination. I wish all the success in your future endeavors. God bless you.

Rev. Fr Alwyn Richard D'Souza
Asst. Director - SJEC

Message from The HOD

Today's technology is a booming market, full of exciting and innovative products and new learning opportunities for all of us. Sean Gerety, User Experience Manager at The Home Depot Atlanta Metropolitan Area says *"The technology you use impresses no one. The experience you create with it is everything"*. The modernization, that we are witnessing now has all been possible because of the technological developments in many different fields. However, once we have discovered what level of access we have and what range of possible options this affords us, it is the right time to address our own comfort level with the technology in our daily lives.

The Department of Electronics and Communication Engineering has taken lot of initiatives to keep students and staff updated with the technology during Covid 19 pandemic period. Department has conducted several high-quality webinars by renowned resource persons from Industry in the field of VLSI, Communication Systems, AI and ML, Biomedical Engineering, Control Engineering etc. Our Alumni have guided and shared their experiences about the job and market conditions in post covid period, Industry 4.0, Career opportunities for ECE Engineers etc. Further Department also organized webinars to release the stress of students by medical experts to keep the mental health and wellbeing of the students.

Once the students were back to the Campus, Department has organized 30 days short term training program for the third-year students on *"Advanced Digital System Design using FPGA"* by our faculty experts and Engineers from CorreEL Technologies Pvt Ltd. The training program provided practical exposure on the design of digital systems. I am very delighted to say that, at the end of the training program, students were able to design a Microcontroller, which was named as *"PRATHAMA"*. Second year students were also trained on Design of Self Balancing Robot using PID Controllers. Staff were also trained by the industry experts on Optical Communication Networks, Biomedical Projects, 5G Communications etc. Awareness on Plagiarism & Ethical issues, documentation writing was also provided to students as well as Faculty. Students have actively participated in Inter college Events, Conferences, Workshops, Hackathons, various Project Exhibitions etc. and won many prizes. All these achievements are due to the enthusiastic participation and keen interest in learning new things by our students and Staff.

On behalf of ECE Department, I whole heartedly thank our students and staff for their contribution towards the fulfillment of vision and mission of our Institution. I also would like to thank management for the support in executing all these events successfully. I congratulate and thank PRODIGI Coordinators and office bearers for taking initiatives and bringing out a beautiful *"PRODIGI EXPRESS 2020-21"*.

Dr Dayakshini
Professor and HOD,
Dept. of ECE

Message from Editorial Board

PRODIGI EXPRESS is a reflection of Electronics and Communication Department activities. It is a record of our staff and student achievements in academics, co-curricular and extracurricular activities as well as research and developments. It gives me great pleasure to present the 'X' edition of PRODIGI EXPRESS. This magazine intends to disseminate information about our department, and I hope that the readers will find the issue informative and useful.

I take this opportunity to thank the Management, Principal, HOD, Staff, and Students of the ECE department for their support in bringing out this magazine. Also, I would like to thank the members of PRODIGI association and the editorial team who work diligently every step of the way to ensure that the 'X' edition of PRODIGI EXPRESS becomes a reality.

Lastly, I would like to place on my gratitude and heartfelt thanks to all those who have contributed to make this effort a success.

Ms Jennifer C Saldanha
Asst. Professor,
Dept. of ECE
Chief Editor

CONTENTS

STUDENTS

Faculty Achievements

Congratulations!

Dr Dayakshini : *Reviewer of reputed International Journals like*
- *IEEE Access*
- *International Journal of Thermal Sciences, Elsevier*
- *Computerized Medical Imaging and Graphics, Elsevier*
- *Pattern Recognition Letters, Elsevier*
- *Machine Vision and Applications, Springer*
- *Cognitive Neurodynamics, Springer*
- *Electronics Letters on Computer Vision and Image Analysis*
- *Expert Systems, Wiley Online*

Dr Sandhya Dass : *Reviewer of ICTIEE 2020 and Associate Editor of JEET*

Dr Rohan Pinto : *Reviewer of Journal of Circuits, Systems and Computers and Reviewer of ICTIEE 2020*

Ms Chaitra U R : *Reviewer of ICTIEE-2021*

Dr Mamatha A S *is elevated to the grade of Senior Member of IEEE for the year 2020.*

Authored the following two textbooks
- *Engineering Statistics and Linear Algebra, New Age International (P) Ltd., Publishers*
  ISBN: 978-81-224-7214-1
- *Control Engineering, New Age International (P) Ltd., Publishers*
  ISBN: 978-81-224-7217-2

Mr Anoop C V *has won an award in the category "Excellence in Performance of Teaching and Learning Centres" by IUCEE during ICTIEE 2021.*
- *Qualified GATE-2021*

Mr Keith Raymond Fernandes *has won an award in the category "Excellence in Accomplishments by IIEECP Certified Faculty" by IUCEE during ICTIEE 2021.*

Mr Mahesha Y *Qualified UGC NET examination.*

ONLINE CERTIFICATION COURSES COMPLETED BY THE TEACHING/NON-TEACHING STAFF IN THE ACADEMIC YEAR 2020-2021

Rohan Pinto:

- Learning to teach online, Coursera
- How to write and publish a scientific paper, Coursera
- Introduction to PBL, UCPBL

Reshma K J:

- IUCEE Online Teaching

Deepthi S R:

- IUCEE International Engineering Educator Certification, IUCEE
- The Foundation Course on Research Methods, IUCEE

Rupal Mayo Diline DSouza:

- Using Python to Access Web Data, Coursera
- Capstone: Retrieving, Processing, and Visualizing Data with Python, Coursera
- MATLAB Onramp, MATLAB
- IUCEE International Engineering Educator Certification

K Aarya Shri:

- Introduction to Artificial Intelligence (AI), Coursera
- Deep Learning Onramp, MathWorks
- Getting Started in Google Analytics, Coursera
- Machine Learning with MATLAB, MathWorks
- Cryptography and Information Theory, Coursera

Shama B N:

- IUCEE International engineering educator certification, IUCEE
- Advanced writing, Coursera
- How teach online effectively, Great learning academy

Jennifer C Saldanha:

- Introduction to MATLAB Programming, Coursera

Keith R Fernandes:

- Design Thinking - A Primer, NPTEL
- Entrepreneurial Education Professional Development - IUCEE & U Mass Lowell
- The Foundation Course on Research Methods – IUCEE

Chaitra U R:

- Symmetric Cryptography, Coursera
- Asymmetric Cryptography, Coursera
- Cryptography & Information Theory, Coursera
- Foundation Course on Research Methods, IUCEE

Avila Priya Pinto:

- Science of exercise, Coursera
- Research methods, IUCEE

Ms Preetha D'Souza:

- Write Professional Emails in English, Coursera
- IUCEE International Engineering educator certification, IUCEE
- Foundation course on Research Methods, IUCEE

Priya Seema Miranda:

- **Operating Systems and You: Becoming a Power User**, *Google*
- **Technical Support Fundamentals**, *Google*
- **Python Data Structure**, *University of Michigan*
- **Programming for Everybody (Getting Started with Python)** *University of Michigan*
- **Orientation towards Technical Education & Curriculum Aspects,** *NITTT*
- **The Foundation Course on Research Methods**, *IUCEE*

Jayalakshmi K P:

- **Network Securities and data vulnerabilities**, *Cousera*
- **programming for Everybody**, *Coursera*
- **Introduction to HTML**, *Coursera*
- **Python data structures,** *Coursera*
- **Introduction to artificial Intelligence,** *Coursera*
- **Machine learning foundations, a case study approach,** *Coursera*
- **MATLAB Programming Techniques**, *Mathworks*
- **Product Marketing learning Program**, *Skillarena*

ONLINE CERTIFICATION COURSES COMPLETED BY THE LAB STAFF IN THE ACADEMIC YEAR 2020-2021

Divya K V:

- ➢ **Speak English Professionally**, *Coursera*
- ➢ **Introduction to Project Management**, *Coursera*
- ➢ **Introduction to the Internet of Things and Embedded Systems**, *Coursera*
- ➢ **How To Create a Website in a Weekend**, *Coursera*
- ➢ **Introduction to HTML**, *Coursera*
- ➢ **Technical Support Fundamentals**, *Coursera*
- ➢ **Principles of Engineering**, *Future Learn*
- ➢ **The Fundamentals of Digital Marketing**, *Google*
- ➢ **Pressure, Force, Motion, and Humidity Sensor**, *Coursera*
- ➢ **Machine Learning with Python,** *Free Code Camp*
- ➢ **Introduction to Intel® Distribution of OpenVINO™ toolkit for Computer Vision Applications,** *Coursera*
- ➢ **Aruba Networking Basics**, *Coursera*
- ➢ **Psychological First Aid**, *Coursera*

Rajitha K R:

- ➢ **Speak English Professionally**, *coursera*
- ➢ **Introduction to project Management**, *coursera*
- ➢ **Material Science**, *coursera*
- ➢ **Digital skills**, *Future learn*

Radhika P D:

- Introduction to Project Management, Coursera
- Speak English Professionally, Coursera
- Material Science.10 things Every Engineer should know, Coursera
- COVID_19: What you need to know, Coursera
- Nutrition and Lifestyle in Pregnancy, Coursera
- Grammer and Punctuation, Coursera
- Usable Security, Coursera
- Introduction to Psychology, Coursera
- Fundamentals of Graphic design, Coursera
- Digital skills, Embracing digital technology, Future Learn
- Introduction to Intel Distribution of openVINO toolkit for computer vision applications, Coursera
- Aruba Networking Basics, Coursera

Divya D:

- Introduction to Project Management, Coursera Project Network
- The Raspberry Pi Platform and Python Programming for the Raspberry Pi, UCI (University of California, Irvine)
- Introduction to the Internet of Things and Embedded Systems, UCI (University of California, Irvine)

Bhagya:

- Speak English professionally, Coursera
- Introduction to Project Management, Coursera
- Principles of Engineering, FutureLearn
- Digital skills: Embracing Digital Technology, FutureLearn
- Introduction to Intel® Distribution of OpenVINO™ toolkit for Computer Vision Applications, Coursera

RESEARCH PAPERS PUBLISHED/PRESENTED BY STAFF IN INTERNATIONAL AND NATIONAL JOURNALS/CONFERENCES

Publications

Web of Science (SCIe)

1. **J. R. Bhat** and S. A. Alqahtani, "6G Ecosystem: Current Status and Future Perspective," in *IEEE Access*, vol. 9, pp. 43134-43167, 2021, doi: 10.1109/ACCESS.2021.3054833.
2. **Anoop, C.V.**, Bhaskar, V. & Nithya, V. Lower Complex Resource Allocation Methodology based on Graph Theory and Index Matrix Rearrangement for OFDMA/MIMO-OFDMA Systems. *Wireless Pers Commun* 118, 2253–2277 (2021). https://doi.org/10.1007/s11277-021-08124-9
3. **Rohan Pinto**, Shama, K. An Efficient Architecture for Modified Lifting-Based Discrete Wavelet Transform. Sens Imaging 21, 53 (2020). https://doi.org/10.1007/s11220-020-00317-z

Scopus Indexed

4. **Reshma K J, Avila Priya Pinto** "Impact of Project-Based Learning on Entrepreneurial and Social Skills Development"JEET, Volume 34, Special Issue, ICTIEE 2021, January 2021.
5. **Sandhya Dass**, Ramananda H. S., Jagadeesha B. Rajesh Kumar P.C., Reni K. K Cherian "Effectiveness of Collaborative on Learning Among Gen Z Engineering Students" JEET, Volume 34, Issue 3, ICTIEE 2021, January 2021(Scopus)
6. **Rohan Pinto**, Modified 32-Bit Shift-Add Multiplier Design for Low Power Application. IJEEE. 2020; 16 (4) :487-493

Other Indexing

7. **Mahesha Y, Priya Seema Miranda, Jayalakshmi K P**, Keerthana Bhandarkar, Aniceta Priya Dsouza, "A Comparative Study On Low Power Adders For Wearable Device" International Journal of Scientific & Technology Research. VOLUME 9, ISSUE 10, OCTOBER 2020, pp - 252-255
8. Joyline Teena Lasrado, **Dayakshini Sathish**, "Enhancement of Underwater Images Using Homomorphic Filtering and CLAHE Technique", Journal of Innovation in Information Technology, Vol. 4(1), Jan–Jun 2020@ ISSN: 2581-723X, pp: 34-39

Conferences

International

9. **Saldanha J.C**., Suvarna M. (2020) Perceptual Linear Prediction Feature as an Indicator of Dysphonia. In: George V., Roy B. (eds) Advances in Control Instrumentation Systems. Lecture Notes in Electrical Engineering, vol 660. Springer, Singapore. https://doi.org/10.1007/978-981-15-4676-1_5

10. **D'Souza R.M.D., Deepthi S.R., Shri K.A**. (2021) Detection Classification and Cutting of Fruits and Vegetables Using Tensorflow Algorithm. In: Suma V., Bouhmala N., Wang H. (eds) Evolutionary Computing and Mobile Sustainable Networks. Lecture Notes on Data Engineering and Communications Technologies, vol 53. Springer, Singapore. https://doi.org/10.1007/978-981-15-5258-8_66

11. **Deepthi S R, Rupal D'Souza and K. Aarya Shri**, "Automated Rubber Tree Tapping and Latex Mixing Machine for Quality Production of Natural Rubber," 2020 IEEE-HYDCON, 2020, pp. 1-4, doi: 10.1109/HYDCON48903.2020.9242699.

12. **Ms Jayalakshmi K P, Mr Mahesha Y, Ms Priya Seema Miranda**, "A Comparative Study between Power Spectral Density and Wavelet Transform for EEG-based Sleep Onset Detection" ICTCS – 2020.

13. **Shama B N**, Savitha H M, "A Review on Techniques of Radiation Dose Reduction in Radiography", ICOECA -2021

14. A. Monteiro, A. J. Mathew, G. V. Colaco, M. Fernandes and **K. R. Fernandes**, "The Mechanism to Combat Data Leakage Trojans in Circuits using Randomized Encoding," *2020 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)*, 2020, pp. 230-235, doi: 10.1109/DISCOVER50404.2020.9278053.

15. **Preetha D'Souza, Chaitra U R**, Effective Venipuncture Method for Intravenous Therapy - 2021 2nd International Conference for Emerging Technology (INCET) Belgaum, India. May 21-23, 2021

16. A. Shetty, M. Saud, P. S. Serrao and **R. Pinto**, "Design and Implementation of 64-bit Parallel

17. Prefix Adder," *2020 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)*, 2020, pp. 159-164, doi: 10.1109/DISCOVER50404.2020.9278102.

18. **Vijayalaxmi Manjunatha**, Arjun Rao, Airani Khan, "Complex Key Generation with Secured Seed Exchange for Vernam Cipher in Security Applications", Materials Today: Proceedings, Volume 35, Part 3, 2021, Pages 497-500, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2020.03.132.

19. S Anantha Kamath, Santan Edwin Fernandes, Shrunga KG, Sindhura S, **Vijay Ganesh P. C**, "Designing Standard Cell Library for Ultra-Low Power Devices using 45nm Technology", ICSMEC 2020, St Martin's Engg College, Secunderabad, Telangana, 26-29 June 2020

ECE DEPARTMENT MEMORANDUM OF UNDERSTANDING (MoU'S) WITH VARIOUS COLLABORATORS

Sl. No.	Collaborators Name	Type of Collaboration	Description
1	Father Muller Medical Hospital, Mangaluru	• Research Collaboration / Project Production • Internship/ Training & Placement	a) To promote Academic cooperation and exchange of domain knowledge of materials in education and research, publications and academic information. b) This MoU facilitates research in the areas of Biomedical Engineering and access the bio medical data from the hospital for research. Meanwhile, SJEC shall provide technical solutions or expertise to Father Muller Medical Hospital.
2	KarMic Design Pvt Ltd	• Research Collaboration / Project Production • Internship/ Training & Placement • Add-on Courses	a) To visit and participate in teaching and research programs. b) To promote the exchange of information and materials of mutual interest which do not come under both parties "Confidential Information". c) To promote the exchange of scientific materials, publication, and information which do not come under both parties "Confidential Information". d) To provide technical support such as workshops, invited lectures and technical talk.
3	Tessolve Semiconductors	• Internship/ Training & Placement • Add-on Courses	The MoU will enable student internship and training programs, specifically with an objective to analyse the faults in Integrated circuits and build a test module to detect the faults.

4	Asia University, Taiwan	• Research Collaboration / Project Production • Internship/ Training & Placement • Faculty /Student Exchange Programme	The MoA with College of Information and Electrical Engineering, Asia University Taiwan, facilitates: a) Student internship, b) Joint faculty research, and c) student/faculty exchange program in the broad areas of Electrical and Information Engineering.
5	Cyclops MedTech Pvt Ltd, Bengaluru	Research Collaboration / Project Production	The objectives to reach out to Cyclops Med Tech is: a) Joint research projects in the fields of mutual interests b) Exchange of scientific information; c) Exchange of academic publications and reports; d) Joint execution of scientific projects, including support in the procurement of scientific equipments; and organization of joint scientific meetings, seminars, workshops, symposia in identified subjects of cooperation
6	CHD Group, India Country Office, Mangaluru	Research Collaboration / Project Production	The main objective of the MoU is to promote academic cooperation and exchange of domain knowledge in education and research, publications, technical assistance and jointly carry out research and innovation.

7	DST-NUTEC	To develop appropriate scientific relationships to enhance collaboration and co-operation towards knowledge enhancement.	To foster translational research and communication for advances in multi-disciplinary fields.

PROJECT FUNDING RECEIVED BY STAFF AND STUDENTS

Title of the project	Guide	Students	Fund (in INR)	Duration	Sanctioning agency
Automatic Ration Distribution System	Dr Rohan Pinto	Shibani S Shetty, Shravya S, Sushmitha, Thrupthi	5000	1 Year	KSCST
Smart Glass for Visually Impaired	Chaitra U R	Prajwal B, Anish, Naveen Sherwin D'Souza, P Sanath Kumar	5000	1 Year	KSCST
Prototype of Mars Rover	Anoop C V	Nishitha K, Ananya L devadiga, M Shodhana, Sucheta C Mogaveera	7000	1 Year	KSCST
Development of Non-invasive Device to Measure Serum Glucose during COVID 19 Pandemic Era	Dr. Dayakshini, Ms Reshma K J	Deeksha, Melvisha Neema D' Souza, Monisha Priya Fernandes, Neema	6000	1 Year	KSCST

EMG Based Arm Exoskeleton	Mahesha Y	Ms. Adlin Marceline Pinto, Mr. Abhishek V S, Mr. Carlton Hansen Lobo, Mr. Joshua Marcel Fernandes	6000	1 Year	KSCST
Automated Cooperative Transport	Ms Avila P Pinto	PV Sohan, Navya Ramachandra Nayak, Nithin D' Souza, Payal L Shet	5000	1 Year	VTU funding for innovative student project
NavIC Driven Dynamic Ambulance Allocation and Tracking	Mr Prasad S. M	Sanketh Prabhu, Spoorthi Hegde, Suraksha Shetty, U R Ravithejasvi	5000	1 Year	VTU funding for innovative student project

SJEC Seed Money

Ms Padmini Bhat and Mr Anoop C V received SJEC seed money of Rs 1,68,000 for the Project titled Optical Network Simulation using Optsim for the academic year 2020-21.

DEPARTMENT ACTIVITIES

Webinars Conducted in Academic Year 2020-21

Sl. No.	Name of the Webinar	Name & Designation of Resource Person	Date	Time	Number of Participants
1	Digital Existence - The Challenges Within	Mr. Sanjay Sahay, Ex. IPS (ADGP), IT Consultant, Cyber Security & Emerging Technologies Expert, Management Guru, Pro Public Speaker & Writer, Bengaluru	01 July 2020	11:00 AM - 12:30 PM	169
2	Foundation Skills and Knowledge Required to Thrive	Dr Shivananda Koteshwar, Group Director, DG Digital Implementation Site-Leader and R&D Head, Synopsys Inc, Bengaluru	10 July 2020	11:00 AM - 12:30 PM	129
3	Using predictive modeling for Computationally-efficient, neural oscillations related to motor deficits in Parkinson's Disease early-detection of pathological	Mr Ramesh Perumal, Research Scholar, Neuro Engineering Lab, National Tsing Hua University, Hsinchu, Taiwan Senior Engineer, IEI Integration Corp, New Taipei, Taiwan	11 July 2020	02:00 PM - 03:30 PM	64
4	Nutrition during COVID times.	Ms Sanjana M Shenoy, Consultant Dietitian, Lecturer and Hod, Food, Nutrition and Food Technology, Shri Devi college of Hotel Management	13 July 2020	03:30 PM - 04:30 PM	390
5	Predictive Analysis of Big Healthcare Data: Keep the Disease at Bay,	Dr Suvendu Mohapatra, System Architect (R&D) & MD (India Division), Volktek Corporation, Taiwan	15 July 2020	02:00 PM - 03:30 PM	63
6	Machine Learning for All	Dr Vivek Venkobarao, Senior IEEE Member, International Author and Teacher, Innovative Engineering Problem Solver	18 July 2020	04:00 PM - 05:30 PM	11
7	Campus to Corporate	Ms Lenita Menezes, Solutions Quality Analyst, Intel	25 July 2020	4:00 PM - 5:00 PM	167

8	Industrial Application of Artificial Intelligence	Dr Mohanraj Vengadachalam, Data Scientist, Renault Nissan Pvt ltd	27 July 2020	11:30 AM - 12:30 PM	80
9	Automated Detection and Quantification of Parasite-Infected Blood Cells	Mr Amith kamath, Member of Academic team, Mathworks, India	29th July 2020	10:30 AM - 12.00 PM	200
10	Industry 4.0	Mr Anjankumar Udupa & Ms Muriel pinto, Senior MES/IT consultant, ITC Infotech, Bangalore, (Alumnus of Batch 2017)	01 August 2020	10:30 AM - 11:30 AM	136
11	Autonomous Driving-Present and Future	Mr Pradeep Naithodu, Project Manager, Continental AG, Germany	05 August 2020	2.00 Pm - 3.30 PM	100
12	Mathematical Computing Using MATLAB	Mr Rakshith B S Senior Application Engineer CoreEL Technologies, Bengaluru Mr Shashi Kumar J K Application Engineer CoreEL Technologies, Bengaluru	11 August 2020	11.00 AM - 1.00 PM	126
13	Modeling Signal Processing and Communication Systems	Mr Rakshith B S Senior Application Engineer CoreEL Technologies, Bengaluru Mr Shashi Kumar J K Application Engineer CoreEL Technologies, Bengaluru	13 August 2020	11.00 AM - 1.00 PM	110
14	Job and Market Condition Post Covid-19	Mr Dileep Chandra	14 August 2020	12.00 PM-1.00 PM	103
15	Life is Worth Living	Dr Deepa Marina Rasquiha	19 August 2020	10.30 AM - 11.30 AM	70

16	Brain MRI Age Classification using Deep Learning	Mr Amith Kamath, Member of Academic Team, Mathworks, India	21 August 2020	10.30 PM - 12.00 PM	60
17	RACE FOR THE PLACE An alumni interaction on placements	S Anantha Kamath Santan Edwin Fernandes Zacche Joshua Sindhura S Sandesh A Mesta	17 October 2020	11.00 AM - 1.00 PM	250
18	Mental Health and Wellbeing	Dr Lavina M Noronha Director, Ave Maria Palliative Care Unit, Vamanjoor	06 November 2020	11.30 AM - 12.30 PM	200
19	Research on Control Engineering	Dr. ThirunavukkarasuIndiran, SMIEEE Associate Professor-Senior Scale Instrumentation and Control Engineering Manipal Institute of Technology,	07 November 2020	11.30 AM - 1.00 PM	305
20	MATLAB for Image Processing and Machine Learning Applications	Mr Shashi Kumar J K Application Engineer CoreEL Technologies, Bengaluru	10-11 November 2020	2.00 PM - 4.00 PM	40

Workshops/Faculty Development Programs/Short Term Training Programs Conducted in the Department

1. Workshop on "Analysis of eye movement to diagnose balance disorders using Balance-Eye"

Resource Person: Dr. Srinivas D R, Co-Founder, Director, Product Innovation, Cyclops MedTech Private Limited, Bangalore

Mr. Ajith S Rao, Founding Team Member and Chief Architect at Cyclops MedTech

Mr. Niranjan M. Subbarao, Head Business Development, Cyclops MedTech Private Limited, Bengaluru

Date: 09 February, 2021

The objective of the workshop was to give insights on fundamentals of physiology of the eye and how the eye responds to the stimulus. To demonstrate the working and application of Balance-Eye equipment with results and observations. Workshop was attended by 25 teaching and non-teaching faculty of the department of Electronics and Communication.

2. Short Term Training Program "Advanced Digital System Design using FPGA"

Resource Person: Mr Prakash G, Lead Application Engineer, CoreEL Technologies Pvt Ltd Bangalore, Mr Vijay Ganesh P C & Mr Mahesha Y, Assistant Professors, Department of ECE, SJEC, Mangaluru

Date: 15-27 March, 2021

The objective of the workshop was to enable students to analyze and design the basic building blocks of Digital Systems using FPGA and to enable the students to design a simple microprocessor. The students were divided into 2 main groups wherein the hardware section was led by Mr Sherwin Bryan Soans and the software section was led by Mr Shivaprasad. Further the main groups were split into subgroups containing 3-4 students and each group was assigned a specific task. Finally, each unit test was carried out and integrated to design the final Microcontroller.

All the groups presented their work on a daily basis and received the suggestions from their peers and guides. All the Students have taken part enthusiastically in this four weeks STTP program and successfully completed the design of the microcontroller and named it as "PRATHAMA".

3. Workshop on "Research Paper/Report Writing, Plagiarism and Ethical Issues"

Resource Person: Dr Dayakshini, Dr Rohan Pinto, Ms Shama B N, Ms Jennifer Saldanha, Mr Keith R Fernandes, Faculties of Department of ECE, SJEC

Date: 23-24 March, 2021

The objective of the workshop was to give insights on the aspects of writing a research paper, ethical issues in research and documentation, use of Turnitin software, writing project reports, project presentations using MS word and referencing using Mendeley. Around 100 students of final year B.E (ECE) participated in the workshop.

4. Faculty Development Programme on "Insights on Optical Devices and Networks"

Resource Person: Ms Radhika Ramesh, Product Engineer, Fiber Optic Services, Mumbai

Date: 25-26 March, 2021

The objective of the workshop was to provide insights on the aspects of the use of OPTSIM tools in the field of optical communication, potential areas for research in optical communication, interdisciplinary thrust areas for research, and use of OPTSIM as a simulation tool for the existing subjects. Around 20 staff members of the ECE department participated in the workshop.

5. Faculty Development Programme on Autonomy Syllabus Preparation

Resource Person: Faculty Members, Department of ECE, SJEC

Date: 05-08 April, 2021

The objective of the workshop was to present an autonomy syllabus framed by faculty for different subjects. Each faculty presented a syllabus for two subjects prepared by them in consultation with industry and academia. All faculty of ECE department participated in the faculty development programme.

6. Three Day Online Faculty Development Programme (FDP) on "Designing Communication Systems – Wireless and 5G with MATLAB and Simulink"

Date: 06-07 and 10 May, 2021

Department of Electronics & Communication Engineering, SJEC, Mangaluru in association with SJEC MATLAB, MATHWORKS and CoreEL Technologies organized Three-Day Online Faculty Development Programme (FDP) on "Designing Communication Systems - Wireless and 5G with MATLAB and Simulink" on 6, 7 and 10 May, 2021.

Resource Persons of the workshop were Mr Amith Kamath, Education, Technical Evangelist, MathWorks, Mr Shashi Kumar J K, Application Engineer, CoreEL Technologies, Mr Kishore Siddani, Application Engineer, MathWorks, Dr Jagadeesha R Bhat, Assistant Professor, IIIT Dharwad, Dr Vidhyacharan Bhaskar, Professor, San Francisco State University, California, Mr Uvaraj Natarajan, Senior Application Engineer, MathWorks

The objective of the FDP was to provide fundamental concepts and recent developments in Wireless Communication and 5G Systems. Domain experts from MathWork and CoreEl Technologies demonstrated the design of Communication Systems. Sixty-two participants attended the FDP including students, faculty, and research scholars from SJEC and other institutions across the country.

BOOKS PUBLISHED BY FACULTY

Sl. No.	Title	Author/s	Year of Publication	Name of the Publisher/s
1	Engineering statistics & Linear Algebra	Dr. Mamatha A S	2021	New Age International Pvt Ltd

CONFERENCE, SYMPOSIA, SEMINARS, WORKSHOPS ATTENDED BY FACULTY

Sl. No.	Name	Title of the Workshop	Organized by	Date (from-to)	No. of days
1	Dr Sandhya Dass	FDP on Skill Development for Academicians	Jain College of Engineering, Belagavi	8-9 June, 2020	2 Days
2	Dr Sandhya Dass	Live webinar on Research Methodology and data Analysis	KSTA	17-20 June, 2020	2 Days
3	Dr Rohan Pinto	FDP on Skill Development for Academicians	Jain College of Engineering, Belagavi	8-9 June, 2020	2 Days
4	Dr Rohan Pinto	Live webinar on Research Methodology and data Analysis	KSTA	17-20 June, 2020	4 Days
5	Ms Nandini Maninarayana	Live webinar on Research Methodology and data Analysis	KSTA	17-20 June, 2020	4 Days

6	Ms Nandini Maninarayana	Three - Day Online Faculty Development Programme on PLC Programming and Industrial Interface	SJEC, Mangalore organized in association with Indwell Automation - Pune	22 - 24 June, 2020	3 Days
7	Ms Nandini Maninarayana	Machine learning using Python	NITK Step	9- 11 July, 2020	3 Days
8	Ms Nandini Maninarayana	Cyber Hygiene using Virtual labs	ESF Labs Limited	19- 23 October, 2020	5 Days
9	Ms Nandini Maninarayana	Insights on writing research proposals and funding opportunities	St. Joseph Engineering College	20 -24 July, 2020	5 Days
10	Ms Reshma K J	Live webinar on Research Methodology and data Analysis	KSTA	17-20 June, 2020	4 Days
11	Ms K Aarya Shri	"Antenna Modelling & Simulation using FEKO and IEEE Authorship"	Jointly Organized by IEEE APS Student Branch Chapter - RVCE IEEE AP-MTT Chapter and IEEE Bangalore Section	22 -27 Feb, 2021	6 Days
12	Ms. Vijayalaxmi H M	Material characterization, Modelling & Performance of Analysis of CMOS Inverter	BMS college of Engineering, Bengaluru	22-26 Feb, 2021	5 Days
13	Ms Padmini Bhat	Material characterization, Modelling & Performance of Analysis of CMOS Inverter	BMS college of Engineering, Bengaluru	22-26 Feb, 2021	5 Days

14	Ms Mamatha A S	Material characterization, Modelling & Performance of Analysis of CMOS Inverter	BMS college of Engineering, Bengaluru	22-26 Feb, 2021	5 Days
15	Ms Jennifer C Saldanha	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 Day
16	Ms. Vijayalaxmi H M	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day
17	Ms Rupal M D D'Souza	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day
18	Ms Avila Priya Pinto	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day
19	Ms Avila Priya Pinto	Insights on Optical Devices and networks	St. Joseph Engineering College	25-26 March, 2021	2 days
20	Ms Preetha D'Souza	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day

21	Ms Chaitra U R	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day
22	Ms Jayalakshmi K P	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day
23	Ms Jayalakshmi K P	Insights on Optical Devices and networks	St. Joseph Engineering College	25-26 March, 2021	2 days
24	Ms Priya Seema Miranda	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day
25	Ms Priya Seema Miranda	Insights on Optical Devices and networks	St. Joseph Engineering College	25-26 March, 2021	2 days
26	K Aarya Shri	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day
27	Mr Anoop C V	Insights on Optical Devices and networks	St. Joseph Engineering College	25-26 March, 2021	2 days
28	Vijayalaxmi H Manjunatha	Insights on Optical Devices and networks	St. Joseph Engineering College	25-26 March, 2021	2 days
29	Mr Anoop C V	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day

30	Mr Anoop C V	FDP on Green Technology and Sustainability Engineering - Advancements in Antenna Design	AICTE ATAL Training and Learning Academy - KLS Gogte Institute	11-15 Jan, 2021	5 days
31	Mr Anoop C V	Augmented and Virtual Reality using UNITY 3D	Panimalar Institute of Technology Chennai, in Association with IEEE SB - PIT & Pantech E Learning	28– 30 December, 2020	3 Days
32	Ms Reshma K J	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day
33	Ms Priya Seema Miranda	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 days
34	Dr Rohan Pinto	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 Days
35	Dr Rohan Pinto	Recent Challenges in Teaching Pedagogy	Chouksey Engineering College, Bilaspur, Chhattisgarh	21 -27 May, 2021	1 Week

36	Ms Rupal M D D'Souza	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 days
37	Ms Rupal M D D'Souza	Insights on Optical Devices and networks	St. Joseph Engineering College	25-26, March, 2021	2 days
38	Dr. Sandhya Dass	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	Dept of ECE, St Joseph Engineering College in collaboration with Cyclops MedTech, Bengaluru	9th Feb, 2021	1 day
39	Dr. Sandhya Dass	Inculcating Universal Human Values in Technical Education	AICTE	3-7 May, 2021	5 Days
40	Dr. Sandhya Dass	Ethics in Biomedical and Health Research	NITTE	5-8 July, 2021	4 Days
41	Dr. Sandhya Dass	Orientation Programme for Mentors	AICTE & NITTT, Chennai	14-18 July, 2021	5 Days
42	Dr. Sandhya Dass	AI using MATLAB	Mathworks	14-15 June, 2021	2 Days
43	Ms Jayalakshmi K P	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 days

44	Ms Reshma K J	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 days
45	Ms Chaitra U R	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 days
46	Ms Jennifer C Saldanha	5-Days FDP on PBL	St. Joseph Engineering College	13-17 September, 2021	5 Days
47	Ms Jennifer C Saldanha	5 Day FDP on implementation of NEP in Engineering institutions	St. Joseph Engineering College	30 Aug-6 Sep, 2021	6 Days
48	Ms Jennifer C Saldanha	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 Days
49	Vijayalaxmi H Manjunatha	5 Day FDP on implementation of NEP in Engineering institutions	St. Joseph Engineering College	30 Aug-6 Sep, 2021	6 Days
50	Vijayalaxmi H Manjunatha	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 days

51	Vijayalaxmi H Manjunatha	Inculcating Universal Human Values in Technical Education	AICTE	13-17 May, 2021	5 Days
52	Ms Jennifer C Saldanha	Workshop on project planning and scheduling	St. Joseph Engineering College	19, 26 August & September 1, 2021	3 Days
53	Ms Deepthi S R	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1day
54	Ms Deepthi S R	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 Days
55	Ms Deepthi S R	Insights on Optical Devices and networks	St. Joseph Engineering College	25-26 March, 2021	2 days
56	Ms Nandini Maninarayana	Analysis of Eye Movement to diagnose eye disorders using Balance Eye	St. Joseph Engineering College	9th Feb, 2021	1 day
57	Ms Nandini Maninarayana	Design Communication Systems-Wireless and 5G with MATLAB and Simulink	St. Joseph Engineering College	6-10 May, 2021	3 Day
58	Ms Nandini Maninarayana	AI using MATLAB	MathWorks	14-15 June, 2021	2 Days
59	Ms Nandini Maninarayana	Insights on Optical Devices and networks	St. Joseph Engineering College	25-26 March, 2021	2 Day

60	Ms Nandini Maninarayana	Workshop on project planning and scheduling	St. Joseph Engineering College	19, 26 August & September 1, 2021	3 Days
61	Ms Nandini Maninarayana	5-Days FDP on PBL	St. Joseph Engineering College	13-17 September, 2021	5 Days
62	Ms Nandini Maninarayana	Cyber Hygiene using Virtual labs	ESF Labs Limited	19-23 October, 2020	5 Days
63	Ms Nandini Maninarayana	Machine learning using Python	NITK Step	9-11 July, 2020	3 Days
64	Ms Nandini Maninarayana	Summer Research School: Convex Optimization for Machine-Learning and 5G Wireless Technology	IIT Kanpur	14-27 July, 2021	14 Days
65	Ms Nandini Maninarayana	Winter School on PYTHON for Design analysis and simulation of 5G	IIT Kanpur	21-30 December, 2021	10 Days
66	Ms Nandini Maninarayana	Integra 2021	St. Joseph Engineering College	8-10 April, 15-17 April, 2021	6 Days
67	Reshma K J	Insights on Optical Devices and Networks	St. Joseph Engineering College	25-26 March, 2021	2 days
68	Reshma K J	Integra 2021	St. Joseph Engineering College	8-10 April, 15-17 April, 2021	6 days
69	Rohan Pinto	Implementation of NEP 2020 at Engineering Institute	St. Joseph Engineering College	30th Aug-6th Sep, 2021	5 days
70	Rohan Pinto	Project Planning and Scheduling	St. Joseph Engineering College	19th Aug, 26th Aug and 1st Sept, 2021	3 days

DEPARTMENT ACTIVITIES
Webinars Conducted

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ST JOSEPH ENGINEERING COLLEGE, MANGALURU
and
IEEE SJEC Student Branch
presents
WEBINAR on
DIGITAL EXISTENCE THE CHALLENGES WITHIN
OPEN TO ALL
Wednesday, 1 July 2020
11:00 AM to 12:00 PM
By
Mr Sanjay Sahay
Ex. IPS (ADGP)
IT Consultant, Cyber Security & Emerging Technologies Expert,
Management Guru, Pro Public Speaker & Writer
Bengaluru
Registration Link: https://bit.ly/SJEC-ECE-Webinar-1

ST JOSEPH ENGINEERING COLLEGE MANGALURU
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
In association with
IEEE MANGALORE SUBSECTION
presents
Webinar on
Foundation Skills and Knowledge Required to Thrive in the Field of Semiconductors
FRIDAY, 10 JULY 2020
11:00 am - 12:30 pm
OPEN TO ALL
Dr Shivananda Koteshwar
Group Director
DG Digital Implementation Site-Leader
R&D Head
Synopsys Inc
Bengaluru
Registration Link: https://bit.ly/SJEC-ECEW-2

ST JOSEPH ENGINEERING COLLEGE MANGALURU
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
AND
IEEE SJEC STUDENT BRANCH
PRESENTS
Webinar on
Using predictive modelling for Computationally-efficient, early-detection of pathological neural oscillations related to motor deficits in Parkinson's disease
SATURDAY, 11 JULY 2020
02:00 pm - 03:30 pm
OPEN TO ALL
Mr Ramesh Perumal
Research Scholar, Neuro Engineering Lab,
National Tsing Hua University, Hsinchu, Taiwan
Senior Engineer, IEI Integration Corp, New Taipei, Taiwan
Registration Link: https://bit.ly/SJEC-ECE-Webinar-3

ST JOSEPH ENGINEERING COLLEGE
Vamanjoor, Mangaluru
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
presents
WEBINAR on
NUTRITION DURING COVID TIMES
Monday, 13 July 2020
03:30pm to 04:30pm
OPEN TO ALL
Registration Link: bit.ly/SJEC-ECEW-4
Ms Sanjana M Shenoy
Consultant Dietitian, Lecturer and Head of the Department
of Food, Nutrition and Food Technology
Shri Devi College of Hotel Management
eCertificate will be provided
+91-824-2263753 | www.sjec.ac.in

ST JOSEPH ENGINEERING COLLEGE
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
and
IEEE SJEC Student Branch
presents
WEBINAR on
PREDICTIVE ANALYSIS OF BIG HEALTHCARE DATA: KEEP THE DISEASE AT BAY
on
Wednesday, 15 July 2020,
02:00 PM to 03:30 PM
OPEN TO ALL
by
Dr Suvendu Mohapatra
System Architect (R&D) & MD (India Division)
Volktek Corporation, Taiwan
Registration Link: https://bit.ly/SJEC-ECEW-5
+91-824-2263753 | www.sjec.ac.in

ST JOSEPH ENGINEERING COLLEGE
Vamanjoor, Mangaluru
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
in association with
IEEE MANGALORE SUBSECTION
presents
WEBINAR on
MACHINE LEARNING FOR ALL
on
Saturday, 18 July 2020, 04:00 PM to 05:30 PM
Dr Vivek Venkobarao
Senior IEEE Member
International Author and Teacher
Innovative Engineering Problem Solver
OPEN TO ALL
Registration Link: https://bit.ly/SJEC-ECEW-6
+91-824-2263753 | www.sjec.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ST JOSEPH ENGINEERING COLLEGE MANGALURU
organizes
WEBINAR on
CAMPUS TO CORPORATE
Saturday, 25 July 2020
4:00 PM to 5:00 PM
HIGHLIGHTS:
- Bridging the gap between campus and corporate.
- Build confidence to step into the corporate world.
- Networking and virtual opportunities of future workplace.
- An interactive and informative session from our own alumni.
MS LENITA MENEZES
Solutions quality Analyst at Intel, Bengaluru
(ALUMNA OF BATCH 2014, Dept of ECE)
Register now: https://bit.ly/SJEC-ECEW-7
**OPEN TO ALL SJEC STUDENTS
E CERTIFICATE WILL BE PROVIDED**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ST JOSEPH ENGINEERING COLLEGE MANGALURU
in association with
ISTE- SJEC STUDENT CHAPTER
organizes
WEBINAR on
INDUSTRIAL APPLICATION OF ARTIFICIAL INTELLIGENCE
27 July 2020, 11.30am - 12.30pm
OPEN TO ALL
Dr Mohanraj Vengadachalam
Data Scientist
Register now:
https://bit.ly/SJEC-ECEW-9
+91-824-2263753 | www.sjec.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ST JOSEPH ENGINEERING COLLEGE MANGALURU
in association with
SJEC MATLAB
organizes
WEBINAR on
AUTOMATED DETECTION AND QUANTIFICATION OF PARASITE-INFECTED BLOOD CELLS
29 July 2020, 10.30am - 11.30am
OPEN TO ALL
Mr Amith Kamath
Member of Academic Team
MathWorks India
Register now: bit.ly/SJEC-ECEW-8   eCertificate will be provided
+91-824-2263753 | www.sjec.ac.in

Webinars Conducted

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
St Joseph Engineering College, Mangaluru
presents
WEBINAR on INDUSTRY 4.0
Saturday, 01 August 2020
10:30 AM to 11:30 AM
OPEN TO ALL

Mr Anjankumar Udupa
Senior MES/IT consultant, ITC Infotech, Bangalore
(Alumnus of Batch 2017, Dept of ECE)

Ms Muriel Pinto
Senior MES/IT consultant, ITC Infotech, Bangalore
(Alumna of batch 2017, Dept of E&E)

HIGHLIGHTS
- Industrial Revolution Overview
- Introduction to MES (Manufacturing Execution Systems)
- Role of MES in i4.0 and Platforms to enable MES
- Industrial Automation and Machine Integration to drive efficiency

E certificate will be provided   Registration Link: bit.ly/SJEC-ECEW-10

ST JOSEPH ENGINEERING COLLEGE
Vamanjoor, Mangaluru
Department of Electronics and Communication Engineering
In association with
SJEC MATLAB & CoreEL Technologies
presents
WEBINAR on MATHEMATICAL COMPUTING using MATLAB
On Tuesday, 11 August 2020
11:00 AM to 01:00 PM

Mr Rakshith B S
Senior Application Engineer CoreEL Technologies

Mr Shashi Kumar J K
Application Engineer CoreEL Technologies

OPEN TO ALL   Registration Link: bit.ly/SJEC-ECEW-12
e-Certificate Will Be Provided

ST JOSEPH ENGINEERING COLLEGE
Vamanjoor, Mangaluru
Department of Electronics and Communication Engineering
In association with
SJEC MATLAB & CoreEL Technologies
presents
WEBINAR on MODELING SIGNAL PROCESSING AND COMMUNICATION SYSTEMS
OPEN TO ALL
Thursday, 13 August 2020
11:00 AM to 01:00 PM

Mr Rakshith B S
Senior Application Engineer CoreEL Technologies

Mr Shashi Kumar J K
Application Engineer CoreEL Technologies

Registration Link: bit.ly/SJEC-ECEW-13
e-Certificate Will Be Provided

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
and
IEEE SJEC Student Branch
presents
WEBINAR on AUTONOMOUS DRIVING PRESENT AND FUTURE
on Wednesday 05 August 2020
2:00pm to 3:30pm
OPEN TO ALL

by
Mr Pradeep Naithodu
Project Manager
Continental AG, Germany

Registration Link:
https://bit.ly/SJEC-ECEW-11

Department of Electronics and Communication Engineering
Organizes
WEBINAR on LIFE IS WORTH LIVING
19 September 2020
10:30 AM to 11:30 AM
OPEN TO ALL

SPEAKER
Dr Deepa Marina Rasquinha
Assistant Professor,
Manipal College of Psychology Profession, MAHE, Manipal
Member, Center for Studies on Healthy Ageing

Registration Link: bit.ly/SJEC-WLWL-2020

St Joseph Engineering College
Vamanjoor, Mangaluru
Department of Electronics and Communication Engineering
PRODIGI -ECE STUDENT ASSOCIATION
organizes
WEBINAR on MENTAL HEALTH AND WELLBEING
November 6, 2020
11:30 AM to 12.30 PM

Resource Person
Dr Lavina M. Noronha
Director, Ave Maria Palliative Care
Vamanjoor, Mangaluru

Registration Link: bit.ly/SJEC-MHW-2020
OPEN TO ALL

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
presents
WEBINAR on Job and Market Condition Post Covid-19
Friday, 14 AUGUST 2020
12:00 PM to 1:00 PM

HIGHLIGHTS
- Covid 19 impact on Industries
- Covid 19 impact on hiring in India
- Hiring Trend with specific reference to India market

Mr Dileep Chandra
India Talent Acquisition Head, HP Bengaluru

Registration Link: bit.ly/SJEC-ECEW-15
OPEN TO ALL | E certificate will be provided

ST JOSEPH ENGINEERING COLLEGE MANGALURU
Department of Electronics & Communication Engineering
is organizing a talk on
" IPR Protection and Technology Transfer"

By
Dr Iddya Karunasagar
Advisor (Research and Patents)
Nitte University, Mangaluru

January 5, 2021
From 11:00 AM to 1:00 PM
Open to SJEC Faculty
Venue: Prerana Hall

Registration Link: https://tinyurl.com/IPR-Tech

St Joseph Engineering College
Vamanjoor, Mangaluru -575028
Department of Electronics and Communication Engineering
Prodigi -ECE Student Association
organizes
Webinar on "CAREER OPTIONS AND OPPORTUNITIES FOR ELECTRONICS GRADUATES"
Saturday, 15 May 2021
3.00pm to 4.30pm
Registration Link: http://bit.ly/SJEC-ECEW-May-2021

By
Mr Renjith C V
Product Designer, Philips India LTD
Open to all ECE Students

HIGHLIGHTS
- Insight on opportunities in core Electronics field and the skills required
- Overview of Product Development, Industry, Tools and different type of jobs
- Overview of Higher Education in India and Abroad
- Insights on Short Term/Online Training in Embedded System, DSP, VLSI, AI/ML, IOT

St Joseph Engineering College
Vamanjoor, Mangaluru
Department of Electronics and Communication Engineering
PRODIGI -ECE STUDENT ASSOCIATION
organizes
Webinar on RESEARCH ON CONTROL ENGINEERING
November 7, 2020
11:30 AM to 1:00 PM
Open to ECE, EEE Students & Staff

Dr I. Thirunavukkarasu, Ph.D
Associate Professor
Department of Instrumentation and Control Engg,
Manipal Institute of Technology, MAHE, Manipal

Registration Link: bit.ly/SJEC-RCE-2020

St Joseph Engineering College
Vamanjoor, Mangaluru -575028
Department of Electronics and Communication Engineering
Prodigi -ECE Student Association
organizes
Webinar on Tips for Effective Report Writing Using MS Word
For 2nd and 3rd year ECE Students
Saturday, June 12, 2021
2.30pm to 4.00pm

By
Mr Keith R Fernandes
Assistant Professor -SJEC

Registration Link: https://tinyurl.com/Tips-for-report-writing

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FDP/STTP/Workshops Conducted

Analysis of eye movement to diagnose balance disorders using Balance-Eye

Advanced Digital System Design using FPGA

Research Paper/Report Writing, Plagiarism and Ethical Issues
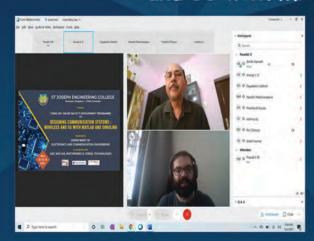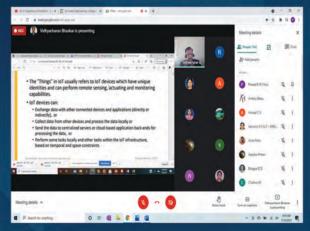
Insights on Optical Devices and Networks

IPR and Technology Transfer

Designing Communication Systems – Wireless and 5G with MATLAB and Simulink

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ASSOCIATION ACTIVITIES

ECE DEPT TECHNICAL EVENTS - ANUSPANDANA-2021

PRODIGI - ECE student association organized technical events named Shutter up, Ideathon, and CleverCross as a part of Anuspandana 2021, on 21, 23, and 26 June 2021. Following is a brief report of each event.

Clever Cross was an Online Crossword competition that was open to B.E, MCA, and MBA students from all branches. The theme of the event was "Electronics in our daily life". The Event was conducted on 26 June 2021 at 10:30 AM. The event was conducted through Google meet platform. A total of 71 students registered for the event.
Name of the coordinators:
Student Co-ordinator: Hitesh D S
Event Co-ordinator: Carlton Hansen Lobo

Winners:

First Place: Shrestha K J, 4SO18EC094, 3rd Year, B Section, Department of ECE
Second Place: Sandesh K P, 4SO19EC081, 2nd Year, B Section, Department of ECE

Shutter Up was a Photography competition with a touch of technology. The participants had to click a photograph depicting the theme provided. Images were judged on originality, concept, technical excellence, composition, overall impact, uniqueness of caption, and artistic merit.

Name of the coordinators:
Student Coordinator: Mr. Hitesh DS.
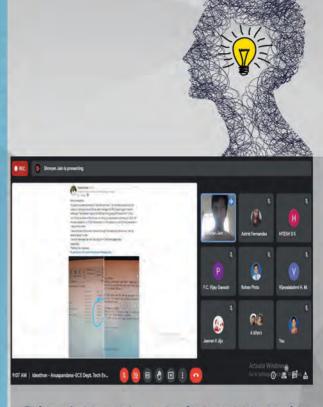Event coordinator: Ms. Katherine Dsouza,
Names of the judges: Mr. Mahesha Y, Mr. Alister Dsouza

Winners:
First Place: Deepesh Nayak, Mechanical Engineering Department, 4 th year -M4
Second Place: Roysten Nazareth, Mechanical Engineering Department, 1st year – 'I' Section.

PRODIGI ASSOCIATION PRESENTS

SHUTTER UP

LET YOUR TALENT SHINE

Ideathon was an online presentation competition that was open to all branches. It was an opportunity provided to students to showcase their innovative ideas and presentation skills. It also enabled the students to learn from their peers. The event was conducted on 23rd June 2021 at 9:00 AM. The event was conducted through the Google meet platform. A total of 12 students registered for the event

Name of the coordinators:
Student Co-ordinator: Hitesh D S
Event Co-ordinator: Astrid Jane Fernandes.
Staff Co-ordinator: Ms Jennifer Charlotte Saldanha & Ms Vijayalakshmi H M

Winners:
First Place: Jeevan V Jijo, 4SO20CS063, 1st Year - A Section, Department of Computer Science Engineering.
Second Place: Alvina Vanessa Mendonca, 4SO19CV002, 2nd Year - A Section Department of Civil Engineering.

A webinar on "CARRIER OPTIONS AND OPPORTUNITIES FOR ELECTRONIC GRADUATES"

PRODIGI-ECE students' association organized a webinar on "Career Options and Opportunities for Electronics Graduates" for ECE students on the Webex video conferencing platform on Saturday 15th May 2021. Dr Dayakshini, Professor & HOD-ECE Dept was the moderator of the event, and Ms Reshma K J, Asst Professor, ECE Dept was the Event Co-coordinator. The Resource Person, Mr. Renjith C V, Product Designer, Philips India Ltd., started his session with Career Planning and Higher Education in India and Abroad. He also described the detailed information on Product Development Flow in Industry starting from product initiation to prototyping. The Resource Person enlightened the students on types of jobs available in the Industry, Technical and Behavioral skills required by the industry. He also stressed the significance of Research and Development Jobs over Software and Hardware Engineering Jobs. Typical skill sets for Embedded System Engineer, Signal and Image Processing Engineer, Microcontroller, IoT, Deep Learning and FPGA Design Tools were also provided in the session.

St Joseph Engineering College
Vamanjoor, Mangaluru -575028

Department of Electronics and Communication Engineering

Prodigi –ECE Student Association

organizes

Webinar on
"CAREER OPTIONS AND OPPORTUNITIES FOR ELECTRONICS GRADUATES"

Saturday, 15 May 2021
3.00pm to 4.30pm

Registration Link:
http://bit.ly/SJEC-ECEW-May-2021

By
Mr Renjith C V
Product Designer, Philips India LTD

Open to all ECE Students

HIGHLIGHTS
- Insight on opportunities in core Electronics field and the skills required
- Overview of Product Development, Industry, Tools and different type of jobs
- Overview of Higher Education in India and Abroad
- Insights on Short Term/Online Training in Embedded System, DSP, VLSI, AI/ML, IOT

A Webinar on "Research on Control Engineering"

St Joseph Engineering College
Vamanjoor, Mangaluru

Department of Electronics and Communication Engineering

PRODIGI –ECE STUDENT ASSOCIATION

organizes

Webinar on
RESEARCH ON CONTROL ENGINEERING

November 7, 2020
11:30 AM to 1:00 PM

Open to ECE, EEE Students & Staff

Dr I. Thirunavukkarasu, Ph.D
Associate Professor
Department of Instrumentation and Control Engg,
Manipal Institute of Technology, MAHE, Manipal

Registration Link: bit.ly/SJEC-RCE-2020

PRODIGI-ECE student association organized a webinar on "Research on Control Engineering" on 07/11/2020 to the students of the ECE and EEE departments. This lecture was mainly focused on the modelling of nonlinear systems and to design linear and nonlinear control systems from the basics to advanced structures. Dr. Thirunavukkarasu Indiran, SMIEEE, Associate Professor-Senior Scale, Instrumentation and Control Engineering, Manipal Institute of Technology, was the resource person for the session. The seminar started at 11.30 am by moderator Ms Loshika Lokesh, 5th ECE student, Dr. Dayakshini, HOD, ECE Department welcomed the attendees and introduced the speaker to the participants. The session ended with the vote of thanks by Ms Vijayalaxmi H M. Total 305 participants attended the session. The webinar was well appreciated by the participants.
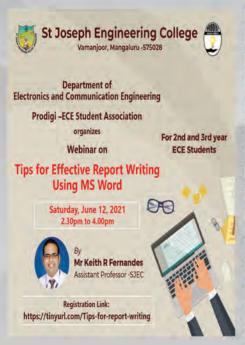
A talk on "IPR and Technology Transfer"

ECE Department organized a talk on "IPR and Technology Transfer" to the Staff of St Joseph Engineering College, at Prerana Hall on 5/1/2021 at 11.00 am. This event was focused on providing insights on Intellectual Property Rights, rules and procedure involved in applying for patent. The seminar started at 11.00 am sharp by Dr. Mamatha Girish welcoming the gathering and introducing the resource person to the audience. The resource person Dr Iddya Karunasagar, Advisor (Research and Patents), Nitte University, spoke about the steps involved in applying patents, terms and conditions, time involved in processing the patent application by WIPO (World Intellectual Property Organization). The second resource person of the day Dr. Indrani Karunasagar, Director (Projects and DSTTEC), Nitte (DU) gave valuable suggestion on how to convert a thesis into a publication, importance of impact factor & H index of journals. She also provided the tips for proposal writing and applying grants for research projects. The talk was followed by question answer session. The session ended by handing over the memento to the resource persons by Director Rev. Fr. Wilfred Prakash D'Souza. Around 80 staff participated in the session.

A Webinar on "Tips for Effective Report Writing Using MS Word"

St Joseph Engineering College
Vamanjoor, Mangaluru -575028

Department of
Electronics and Communication Engineering

Prodigi –ECE Student Association

organizes

Webinar on

For 2nd and 3rd year
ECE Students

Tips for Effective Report Writing
Using MS Word

Saturday, June 12, 2021
2.30pm to 4.00pm

By
Mr Keith R Fernandes
Assistant Professor -SJEC

Registration Link:
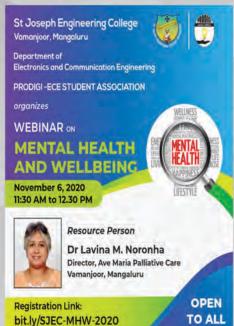https://tinyurl.com/Tips-for-report-writing

PRODIGI-ECE student association organized a webinar on "Tips for Effective Report Writing Using MS Word" to the staff and students of the ECE department. This event was focused on training the students on the basic technical report writing skills required to prepare project and seminar reports using MS word. The webinar was organised by Dr. Dayakshini, HOD-ECE. The webinar started at 2.30 pm with moderator Ms Jennifer C Saldanha, welcoming the attendees and speaker. The resource person Mr Keith Fernandes started his session by presenting the VTU guidelines for UG project reports and by giving various tips to incorporate those guidelines in their document using various options available in MS word. He provided useful insights on how to prepare a table of figures, text and figure alignment, customizing margins, page numbering, page breaks, inserting equations and figures. He also mentioned different errors made by students while writing project reports and gave useful tips on how to avoid them. He demonstrated the mendeley-referencing tool for citation of the references. There was active interaction by the students during the webinar. The session ended with the vote of thanks proposed by Ms Vijayalaxmi H M. Around 220 students participated in the session.

Research and Facilities Group - SJEC in association with Prodigi, Department of Electronics & Communication Engineering organized a webinar on "The Role of Technology in Building Effective Response Mechanisms for Health Care Services" on 31st Aug 2021 to the Staff and Students of SJEC. The Webinar focused mainly on the discussion with the Doctor on the challenges and issues faced by the healthcare professionals and possible suggestions. Dr. Edmond Fernandes is a community health physician and Founder of CHD Group, Mangaluru. The Webinar started at 11:00 a.m. in the online mode on the zoom platform. Dr. Sandhya Dass, the Chief Coordinator, chairperson of RFG was the moderator of the webinar. Dr. Dayakshini, HOD, Department of ECE cordially welcomed the Resource person and the staff. Ms.Deepthi S.R. took charge of anchoring the whole session. Finally, Ms Jennifer Saldanha, coordinator of Prodigi proposed a vote of thanks.

St Joseph Engineering College
An Autonomous Institution
Mangaluru.
Research and Facilities Group
in association with
PRODIGI- Students' Association
Department of
Electronics & Communication Engineering
organizes
Webinar on
The Role of Technology in Building Effective Response Mechanisms for Health Care Services
31 August 2021
11:00 to 12:00 noon
Registration Link:
https://tinyurl.com/chdwebinar1
Open to Faculty and students of SJEC
Resource Person
Dr Edmond Fernandes
Founder, CHD Group, Mangaluru

St Joseph Engineering College
Vamanjoor, Mangaluru
Department of
Electronics and Communication Engineering
PRODIGI -ECE STUDENT ASSOCIATION
organizes
WEBINAR ON
MENTAL HEALTH AND WELLBEING
November 6, 2020
11:30 AM to 12.30 PM
Resource Person
Dr Lavina M. Noronha
Director, Ave Maria Palliative Care
Vamanjoor, Mangaluru
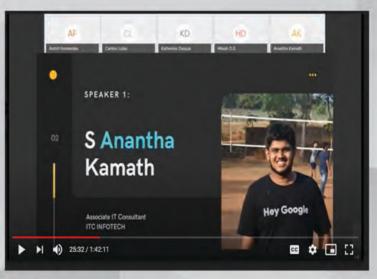Registration Link:
bit.ly/SJEC-MHW-2020
OPEN TO ALL

PRODIGI-ECE student association organized talk on Mental Health and Wellbeing to the students of ECE department. This event was focused on providing staff and students with the tips to handle stress, anger and emotions and learn to maintain good mental health. The seminar started at 11.30 am sharp by moderator Ms Jennifer C Salanha, who welcomed the attendees and introduced the resource person to the participants. Dr Lavina M Noronha in her talk mentioned the aspects which impact wellbeing. How to find simple reasons to be happy in our day-to-day life. What are the different exercises or meditations which can be taken up to have a sound sleep. She also stressed the importance of being positive in our life, managing time, getting organized, managing anger, and how each one of these aspects contributes to mental health. Around 200 students participated in the session.
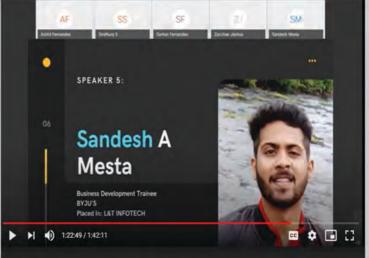
An Online Event "RACE FOR THE PLACE" - An alumni interaction on placements

PRODIGI-ECE student association organized this event on 17/10/2020 to give an idea to ongoing students about the procedures, ways, and knowledge required during placements. This event was designed to provide insight and understanding regarding the key concepts during placements. The seminar had started at 11.00 am sharp by moderator Astrid Fernandes who welcomed the attendees and speakers to the session. President of Prodigi, Hithesh presented an introductory speech to all attendees and also to all the speakers. Later treasurer Katherine was introduced by the moderator, and she spoke about the list of events conducted in the last academic year. Secretary Carlton was introduced who shared the plans of events that would be conducted this year. There were a total of 5 speakers who were passed out students of the year 2019-2020. Speakers were: a) S Anantha Kamath b) Santan Edwin Fernandes c) Zacche Joshua d) Sindhura S e) Sandesh A Mesta. All the speakers explained the importance of placements and how one should be prepared in order to get placed in a company. The session ended with vote thanks delivered by Vice President, Joel Mascarenhas from third-year ECE.

Workshop on "Research Paper/Report Writing, Plagiarism and Ethical Issues"

PRODIGI-ECE student association organized a two-day workshop on "Research Paper/Report Writing, Plagiarism and Ethical Issues" on talk on 23 and 24 March, 2021 at Fr Fred Memorial Hall. The workshop was focused on giving insights on the aspects such as: how to write a project report, how to write a research paper, awareness on how to avoid plagiarism in writing reports, ethical issues in research and documentation, Tools for writing project reports, project presentations and research paper such as MS Word, PowerPoint Presentation. The workshop also included a hands-on session on LaTeX tool for report/paper writing. The resource persons of the workshop were Dr Rohan Pinto, Ms Jennifer Saldanha, Mr Keith R Fernandes, Dr Dayakshini, and Ms Shama B N.

Report on Farewell "SAYONARA-2021"

The Department of Electronics and Communication Engineering organized SAYONARA-2021, farewell to the class of 2021 on August 3, 2021, at 02:30 PM in Kalam Auditorium. Principal, Dr Rio D'Souza in his address, spoke about the qualities a graduand should possess to excel at the workplace. Director, Rev. Fr Wilfred Prakash D'Souza in his presidential address congratulated the students for completing their graduation and wished them all the best for all their future endeavors. Guest of honour, Rev. Fr Alwyn Richard D'Souza blessed the outgoing students with good health and success in life. Dr Dayakshini, HOD of the Electronics and Communication Engineering Department raised the toast where she advised students to continue learning in their professional life and get updated with the latest technologies. In reply to the toast, Mr Sanketh Prabhu from VIII semester 'B' section, Mr Hitesh D S from VIII semester 'A' section evinced their experiences at SJEC during the past four years.

Student Achievements

Congratulations!

Mr **Sudeep Sapnil Gonsalves** of III Year ECE has Secured Fifth Rank in the International Internship Program on "Artificial Intelligence" conducted by Asia University Taiwan on 31 October, 2020.

Mr **Sudeep Sapnil Gonsalves & Team** received a fund of Rs. 2.9 Lakh for the project titled "D&D Hybrid Brain Controlled Interfacing Goggles" from New Age Innovation Network (NAIN) - Dept of Electronics, IT, BT and S&T, GoK.

Mr **Sagar Nayak & Team** of III Year ECE founded the Start-Up in the campus to develop hydroponics, a method of growing vegetables and fruits without soil.

Mr **Sagar Nayak & Team** of III Year ECE received a fund of Rs. 3 Lakh for the project titled "Autonomous and Gesture-Controlled Wheelchair" from New Age Innovation Network (NAIN) - Dept of Electronics, IT, BT and S&T, GoK.
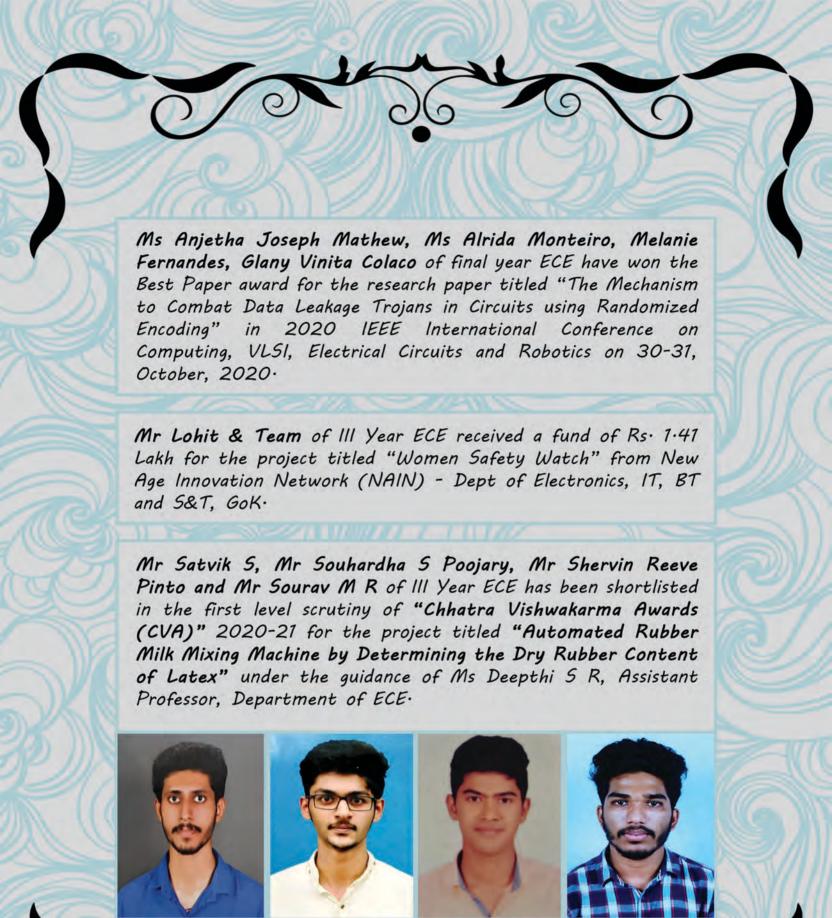
Mr **Karthik K C & Team** of II Year ECE received a fund of Rs. 3 Lakh for the project titled "Plastic Recycling Machine" from New Age Innovation Network (NAIN) - Dept of Electronics, IT, BT and S&T, GoK.

Mr **Elwin C D** of III Year ECE is recognised for his outstanding performance in an event conducted by IUCEE student summit 2020.

Ms Anjetha Joseph Mathew, Ms Alrida Monteiro, Melanie Fernandes, Glany Vinita Colaco of final year ECE have won the Best Paper award for the research paper titled "The Mechanism to Combat Data Leakage Trojans in Circuits using Randomized Encoding" in 2020 IEEE International Conference on Computing, VLSI, Electrical Circuits and Robotics on 30-31, October, 2020.

Mr Lohit & Team of III Year ECE received a fund of Rs. 1.41 Lakh for the project titled "Women Safety Watch" from New Age Innovation Network (NAIN) – Dept of Electronics, IT, BT and S&T, GoK.

Mr Satvik S, Mr Souhardha S Poojary, Mr Shervin Reeve Pinto and Mr Sourav M R of III Year ECE has been shortlisted in the first level scrutiny of "Chhatra Vishwakarma Awards (CVA)" 2020-21 for the project titled "Automated Rubber Milk Mixing Machine by Determining the Dry Rubber Content of Latex" under the guidance of Ms Deepthi S R, Assistant Professor, Department of ECE.

Mr Swaroop S Rai, Mr Suvira M, Mr T V Manoj and Ms Sukthi Sulaya J of III Year ECE has been shortlisted in the first level scrutiny of **"Chhatra Vishwakarma Awards (CVA)"** 2020-21 for the project titled **"Automatic Medicine Dispenser"** under the guidance of Ms Chaitra U R, Assistant Professor, Department of ECE.

Student Achievements

Congratulations!

Ms Poorva Vinod Naik of III year ECE completed a course on "Computer Networks" offered by the Virtual Exchange Program for Spring Semester - 2021, Asia University, Taiwan.

Ms Sharon Frank of III year ECE completed a course on "Computer Networks" offered by the Virtual Exchange Program for Spring Semester- 2021, Asia University, Taiwan.

Mr Shivaprasad of III year ECE secured 2nd place in Dr. Circuit (2021), conducted by Jawaharlal Nehru National College of Engineering, Shivamogga.

Mr Brian Mathew Maben of II year ECE completed a course on "Introduction to Blueprint: Game Programming in Unreal Engine 4" offered by the Virtual Exchange Program for Spring Semester- 2021, Asia University, Taiwan.

Ms Sharvari Navada of II year ECE secured 97·23% in the course, "Digital Image Processing" offered by the Virtual Exchange Program for Spring Semester- 2021, Asia University, Taiwan.

Mr Aren Joy Fernandes of II year ECE participated in the World Powerlifting Championship, Halmstad, Sweden (2021) and secured an overall rank of 6 in the world.

Mr Prashanth Parashuram Koti of I year ECE underwent training to build a Naval Warship Model provided by 6 KAR Naval Unit NCC, Udupi.

Mr Gagan Surya Kumar of I year ECE underwent training to build a Naval Warship Model provided by 6 KAR Naval Unit NCC, Udupi.

Mr Vivian Halben Castelino of I year ECE participated in a team event of collage making conducted by CHEMATOM, SJEC and secured 1st place in it.

Ms **Reshma Cardoza**, Ms **Roshni Gomes** and Ms **Sinchana** of I year ECE secured 3rd place in a collage making competition conducted by CHEMATOM, SJEC.

Mr **Abhinav**, Mr **Akash**, Ms **Akshatha**, Ms **Anagha J Rao** and Mr **Dhanush** of I year ECE secured 3rd place in a collage making competition conducted by CHEMATOM, SJEC.

TOPPERS FOR THE ACADEMIC YEAR 2020 - 2021

3RD YEAR

Abhishek V S
CGPA: 9.48

Deeksha
CGPA: 9.44

Payal L Shet
CGPA: 9.35

2ND YEAR

Sanjay Shankar Bhat
CGPA: 9.50

Kavyashree
CGPA: 9.44

Sharon Frank
CGPA: 8.75

1ST YEAR

Lokanath Rajesh Prabhu
CGPA: 9.58

Jason Lynel Braggs
CGPA: 9.53

Muhammad Kaif M S
CGPA: 9.45

Student Internship Details 2020-21

USN	NAME	Company name
4SO17EC074	Sagar nayak	Automation and robotics club
4SO17EC080	Shafi Nafisa Zian Imam	
4SO17EC021	Gashmitha P Shetty	Bharat Ratna Bhim Rao Ambedkar Institute of Telecom Training (BRBRAITT) Jabalpur, Madhya Pradesh 482001
4SO17EC034	Lishma Anisha Pinto	Brain O Vision Solutions India Pvt. Ltd., Hyderabad.
4SO17EC050	Nikhil S Kumar	Brevera Technologies Private Limited
4SO17EC031	Lavanya K	
4SO17EC079	Savanth S Bangera	
4SO17EC053	Nithin Dsouza	
4SO17EC110	Shashank V M	
4SO17EC084	Shawn Lawrence Dante	
4SO18EC406	Nikhil Shetty	Deloitte
4SO17EC009	Ashish Bellur P	Entuple Technologies Pvt. Ltd, Bengaluru
4SO17EC010	Ashrith Amin	
4SO17EC060	Pradeep Shetty	
4SO17EC024	Hanisha Shaini Gonsalves	
4SO17EC007	Apeksha M R	
4SO17EC007	Apeksha M R	
4SO17EC051	Nikitha K	
4SO17EC022	Gowtam C S	
4SO17EC019	Divij Kumar	
4SO17EC028	Kavyashree	
4SO17EC011	Astrid Jane Fernandes	
4SO17EC012	Azaine Asgar Ali	Infidata Technologies, Bengaluru
4SO17EC027	Katherine Helen Dsouza	
4SO17EC012	Azaine Asgar Ali	
4SO17EC106	Valona Christerl Mendonca	
4SO17EC040	Meghashree	KarMic Design Private Limited, Manipal
4SO17EC047	Naveen Shervin Dsouza	
4SO17EC017	Deeksha	
4SO17EC002	Adlin Marceline Pinto	
4SO17EC001	Abhishek V S	
4SO17EC059	Payal L Shet	

4SO17EC035	Lohit	KarMic Design Private Limited, Manipal
4SO17EC033	Ligina Mary	
4SO17EC111	Carlton Hansen Lobo	
4SO17EC061	Prajwal B	
4SO17EC025	Hitesh D S	
4SO17EC064	Priyanka C Shetty	Knowledge Solutions India (KSI), Pune (Online)
4SO17EC096	Sumashri K	MCF
4SO17EC073	Royson Dsouza	
4SO17EC081	Shaichith Rai B	
4SO17EC081	Shaichith Rai B	
4SO17EC107	Venisha Shaily Dsouza	Pratian Technologies
4SO17EC107	Venisha Shaily Dsouza	
4SO17EC107	Venisha Shaily Dsouza	
4SO18EC402	Karishma Toppo	Smartbridge Educational Services Private Limited, Hyderabad
4SO18EC407	Sowmya	
4SO17EC003	Afiya Nafeesa	St. Joseph Engineering College
4SO17EC101	Sweedel Josna Lobo	Synthan Electronics
4SO17EC046	Muriel Samira Pinto	
4SO15EC092	Vibert Piedade Tavares	Tech-Graylogix, Mangalore
4SO15EC065	Rohan K R	
4SO15EC065	Rohan K R	
4SO15EC091	Valene Pinto	TechSpiritz
4SO18EC400	Ananya L Devadiga	Tevatron Technologies Pvt. Ltd.
4SO17EC052	Nishitha K	
4SO17EC048	Navya Ramachandra Nayak	Velasco Systems
4SO17EC058	P V Sohan	
4SO17EC014	Calvina Dsouza	Verzeo Edutech
4SO17EC055	Niveditha D	
4SO17EC055	Niveditha D	
4SO17EC032	Leisha Aloma Dias	
4SO17EC013	Brinnel DSouza	
4SO17EC041	Melanie Rhea Dsouza	
4SO17EC065	Priyanka R	VI Solutions Bangalore
4SO17EC094	Suchetha C Mogaveera	
4SO17EC102	Thanush N Shetty	
4SO17EC068	Rakshanda Niranjan Nayak	
4SO17EC086	Shibani S Shetty	
4SO17EC108	Vinyas	

4SO17EC090	Sindhushree V	
4SO17EC087	Shravya S	
4SO17EC095	Sudeep Sapnil Gonsalves	
4SO17EC077	Sanjan J	
4SO17EC092	Stalin Albert Saldanha	
4SO17EC099	Sushma K Rai	
4SO17EC089	Shrinidi	
4SO17EC062	Prima Clara Dsouza	
4SO17EC066	Rajashree N P	
4SO17EC045	Mounish M	
4SO17EC015	Chaithanya	
4SO17EC067	Raksha Kamath	
4SO17EC005	Anish	
4SO17EC044	Monisha Priya Fernandes	
4SO17EC016	Deeksha	
4SO17EC042	Melvisha Neema D Souza	
4SO17EC049	Neema	
4SO17EC056	Osweeta Dsouza	
4SO17EC063	Princita Dsouza	
4SO17EC093	Stellon Franklin Paul Toras	VI Solutions Bangalore
4SO17EC105	Vaishnav K	
4SO17EC056	Osweeta Dsouza	
4SO17EC082	Shane Charles Dsouza	
4SO17EC006	Ankitha	
4SO17EC070	Rhea Salome Cutinha	
4SO17EC039	Mathew Babu	
4SO17EC043	Mohammed Afreed	
4SO17EC029	Kiran Raj KM	
4SO17EC085	Kshama K Shetty	
4SO17EC004	Anil Shivakumar Nayar	
4SO17EC026	Joshua Marcel Fernandes	
4SO17EC057	P Sanath Kumar	
4SO17EC097	Suraj B Shetty	
4SO17EC054	Nitinchandra R S	
4SO17EC015	Chaithanya	
4SO17EC062	Prima Clara Dsouza	
4SO17EC065	Priyanka R	
4SO17EC099 (Updated)	Sushma K Rai (Updated)	

4SO17EC070	Rhea Salome Cutinha	
4SO17EC054	Nitinchandra R S	
4SO17EC071	Rolson Lynal DSouza	
4S017EC036	M Shodhana	
4SO17EC105	Vaishnav k	
4SO17EC008	Arun Ishwar Naik	
4SO18EC408	Vishal	
4SO18EC401	Deekshith P S	
4SO17EC075	Sameeksha	
4SO17EC023	Gurucharan K S	
4SO17EC038	Manasa P	
4SO17EC075	Sameeksha	
4SO17EC098	Suraksha Shetty	
4SO17EC088	Shrikanth	
4SO17EC100	Sushmitha	VI Solutions Bangalore
4SO18EC404	Sachin Sadanand Shetty	
4SO17EC028	Spoorthi S Hegde	
4SO17EC103	Thrupthi	
4SO15EC020	Ayesha Afreen Sheikh	
4SO16EC040	Mohammed Raiyan	
4SO17EC104	U R Ravithejaswi	
4SO17EC083	Sharanya P	
4SO17EC037	Macwin Madtha	
4SO16EC032	Jowin Glynish Pinto	
4SO17EC020	Divyashri P	
4SO17EC076	Sanith Dsouza	
4SO17EC078	Sanketh B Prabhu	
4SO17EC072	Rolwin sequeira	
4SO17EC411	Siddharath	

Online Certification Courses Completed by Students

Sl. No.	Name of the Student	Course Enrolled	Certification
1	Savan Martis	Programming for Everybody (Getting Started with Python)	Coursera
2	Savan Martis	Discounted Cash Flow Modeling	Coursera
3	Savan Martis	How Things Work: An Introduction to Physics	Coursera
4	Savan Martis	Introduction to the Internet of Things and Embedded Systems	Coursera
5	Savan Martis	Control of Mobile Robots	Coursera
6	Savan Martis	Understanding Research Methods	Coursera
7	Savan Martis	Managing G Suite	Coursera
8	Savan Martis	Code Yourself! An Introduction to Programming	Coursera
9	Savan Martis	Introduction to Javascript: The Basics	Coursera
10	Savan Martis	Introduction to HTML	Coursera
11	Savan Martis	HTML and CSS: Building a Single-Page Website	Coursera
12	Savan Martis	Initiating and Planning Projects	Coursera
13	Savan Martis	Writing and Editing: Word Choice and Word Order	Coursera
14	Savan Martis	Project: Creating Your First C++ Application	Coursera
15	Savan Martis	International Business Capstone	Coursera
16	Savan Martis	Programming Fundamentals	Coursera
17	Savan Martis	Performing Data Definition and Manipulation in SQL	Coursera
18	Savan Martis	Python Data Structures	Coursera
19	Savan Martis	Create Your First Python Program	Coursera
20	Savan Martis	C++ For C Programmers, Part A	Coursera
21	Savan Martis	C++ For C Programmers, Part B	Coursera
22	Savan Martis	Statistical Data Visualization in Python	Coursera
23	Savan Martis	Machine Learning for All	Coursera
24	Savan Martis	Introduction to Artificial Intelligence (AI)	Coursera
25	Savan Martis	The Arduino Platform and C Programming	Coursera
26	Savan Martis	Smart Device & Mobile Emerging Technologies	Coursera
27	Savan Martis	Wireless Communications for Everybody	Coursera
28	Savan Martis	Matrix Algebra for Engineers	Coursera
29	Savan Martis	Getting Started in Google Analytics	Coursera
30	Savan Martis	Introduction to Python	Coursera

31	Savan Martis	Build a Data Science Web App with Streamlit and Python	Coursera
32	Savan Martis	C for Everyone: Programming Fundamentals	Coursera
33	Savan Martis	Python 3 Tutorial course	SOLOLEARN
34	Savan Martis	HTML Fundamentals course	SOLOLEARN
35	Savan Martis	Java Tutorial course	SOLOLEARN
36	Savan Martis	C++ Tutorial course	SOLOLEARN
37	Savan Martis	Google Analytics for Beginners	GOOGLE Analytics Academy
38	Savan Martis	Advanced Google Analytics	GOOGLE Analytics Academy
39	Savan Martis	Google Analytics for Power Users	GOOGLE Analytics Academy
40	Savan Martis	Introduction to Data Studio	GOOGLE Analytics Academy
41	Savan Martis	Google Tag Manager Fundamentals	GOOGLE Analytics Academy
42	Savan Martis	Getting Started With Google Analytics 360	GOOGLE Analytics Academy
43	Deeksha	Programming for everybody (getting started with phython)	Coursera
44	Divyashri P	Programming for everybody	Coursera
45	Leisha Aloma Dias	C for everyone	Coursera
46	Aishwarya	Inspiring leadership through emotional intelligence	Coursera
47	Frencita Tellis	Create Your First Game with Python	Coursera
48	Dhanyashree	Crash Course on Python	Google through Coursera
49	Dhanyashree	Introduction to Embedded system design	NPTEL
50	Venisha Shaily Dsouza	Simulink Onramp	MathWorks

51	U R Ravithejaswi	Capstone: Retrieving, Processing, and Visualizing Data with Python	University of Michigan and offered through Coursera
52	Aishwarya	TI Embedded System Design using MSP430 mcu MOOC	Texas Instruments
53	Manoj T V	Introducing coding for beginners: an HTML and CSS online course	BIT Degree Foundation VSI
54	Manoj T V	TI Embedded System Design using MSP430 MCU MOOC	Texas Instruments
55	Vindhya K	HTML and CSS: Building a single page website	Coursera Project Network
56	Abhirama K V	Robotic and Process Automation (RPA)	Centre for Embedded Systems Skill Learning
57	Anvith Amin	Programming for Everybody (Getting Started with Python)	Coursera (Univeristy of Michigan)
58	Ahisam Sheikh	MATLAB Onramp	MathWorks Training Services
59	Sindhushree V	Machine Learning for all	Coursera (University of London)
60	Sushma K Rai	Programming for everybody	University of Michigan
61	Sushma K Rai	Python data structures	University of Michigan
62	Sushma K Rai	Using Python to access Web data	University of Michigan
63	Sushma K Rai	Introduction to HTML5	University of Michigan
64	Stalin Albert Saldanha	Technical support fundamentals	Google
65	U R Ravithejaswi	Python Data Structures	University of Michigan and offered through Coursera

66	U R Ravithejaswi	Using Databases with Python	University of Michigan and offered through Coursera
67	U R Ravithejaswi	AI for Everyone: Master the Basics	IBM
68	U R Ravithejaswi	Java Course	Progate
69	U R Ravithejaswi	Fundamental OF Node.js	Progate
70	Vinyas	Using Python to Access Web Data	Coursera
71	Vinyas	Python Data Structures	Coursera
72	Vinyas	Capstone: Retrieving, Processing, and Visualizing Data with Python	Coursera
73	Vinyas	Using Databases with Python	Coursera
74	Vinyas	Java Course	Progate
75	Vinyas	Python Course	Progate
76	Gowtham C S	Programming Fundamentals	Coursera
77	Karthik K C	Introduction to Embedded System Design	Nptel
78	Karthi K.C.	IUCEE AI for ALL	IUCEE
79	Kavyashree	Custom IC Design: VLSI Cmos IC Design, Simulation and layout	Entuple Technologies
80	Jyothika K	Python-1	Coursera
81	Jyothika	Python Data Structurea	Coursera
82	Lavanya	Image Processing Onramp	MathWorks
83	Jyothika	MATLAB Onramp (Mathworks training services)	MathWorks
84	Jyothika K	Programming foundations with Javascript, HTML, CSS	Coursera
85	Megha Salian	Programming For Everybody (Getting started with python)	Coursera
86	Megha Salian	Python Data structure	Coursera
87	Megha Salian	Control Of Mobile Robots	Coursera
88	Meghana B.	Programming for Everybody	Coursera
89	Meghana B.	Programming Foundations with JavaScript, HTML and CSS	Coursera
90	Meghana B.	Build a Full Website using WordPress	Coursera
91	Meghana B.	Build a Simple App in Android	Coursera
92	Meghana B.	Python Data Structures	Coursera

93	Meghana B.	MATLAB Onramp	MathWorks
94	Lokanath Rajesh Prabhu	MATLAB Onramp	MathWorks
95	Lanvin Samuel Pereira	IUCEE AI for ALL	IUCEE
96	Lanvin Samuel Pereira	Programming for Everybody (Getting Started with Python)	Coursera
97	Lanvin Samuel Pereira	Introduction to Psychology	Coursera
98	Guru prasad Mayya	Matlab	MathWorks
99	Nagashree D Naik	Software Quality Assurance and Function Safety Internship	Center for Embedded Systems Skill Learning.
100	Nagashree D Naik	Programming for Everybody (Getting Started with Python)	Coursera
101	Nagashree D Naik	TI Enbedded system design using MSP 430 MCU MOOCS	Texas Instruments
102	Melroy Almeida	Introduction to Embedded System Design	NPTEL
103	Siddharth U Bhovi	Introduction to C++	Coding Ninjas
104	Hanson Pinto	Matlab	MathWorks
105	Jeethesh Dsouza	Matlab Onramp	MathWorks
106	Jais cheriathu	Matlab Onramp	MathWorks
107	Deepak Prabhu	Matlab Onramp	MathWorks
108	Jason Lynel Braggs	Matlab Onramp	MathWorks
109	Brian Mathew	Matlab Onramp	MathWorks
110	Emmanuel Pravilesh Fernandes	Matlab Onramp	MathWorks
111	Athul S Nayak	Matlab Onramp	MathWorks
112	Ashwith K Y	Control of Mobile Robots, Programming for Everybody (Getting Started with Python), Python Data Structures	Coursera

113	Mr Rian Archie Fernandes	Introduction to Electronics	Coursera
114	Mr Rian Archie Fernandes	Programming for Everybody (Getting started with Python)	Coursera
115	Sweedel Lobo	Web Development	Internshala Training
116	Mr Pranam K S	Introduction to Embedded System Design	NPTEL
117	Mr Pranam K S	Technical English for Engineers.	NPTEL
118	Shreyas Merwin Karkada	Internet of Things and Machine Learning	Bolt IoT
119	Shreyas Merwin Karkada	Microsoft AI Classroom Series	Microsoft
120	Shreyas Merwin Karkada	Matlab Onramp	MathWorks
121	Sharvari Navada	Digital marketing specialization	University of Illinois-Coursera
122	Sharvari Navada	career success specialization	UCI-Coursera
123	Sharvari Navada	Excel specialization	Coursera
124	Sharvari Navada	IUCEE AI for all	IUCEE foundation
125	Sharvari Navada	Coursera guided projects on google ads,canvas,mobile app with glide	Coursera
126	Sharvari Navada	MATLAB onramp	MathWorks
127	Sharvari Navada	"EMBRACING CHANGE","FUNDAMENTALS OF GRAPHIC DESIGN","PLASTIC ELECTRONICS"	Coursera
128	Sandhya Holla V R	Matlab onramp	MathWorks

129	Sannidhi	Programming for Everybody (getting started with python)	Coursera
130	Sannidhi B	Matlab onramp	MathWorks
131	Sannidhi	Cybersecurity and the internet of things	Coursera
132	Mr Pranam K S	MATLAB Onramp	MathWorks
133	Shreenidhi	MATLAB Onramp	MathWorks
134	Sannidhi	Introduction to the internet of things and embedded systems	Coursera
135	Sannidhi	Introduction to ethical hacking	Great Learning
136	Shrihari B S	Matlab onramp	Coursera
137	Shrihari B S	Cyber security roles, processes and operating system security	Coursera
138	Deekshith P S	Image Processing Onramp	MathWorks
139	Sannidhi	TI Embedded system design using MSP430 MCU MOOC	Nptel
140	Deekshith P S	Simulink Onramp	MathWorks
141	Sandesh U R S K P	MATLAB Onramp	MathWorks
142	Vishal P	Image Processing Onramp	MathWorks
143	Sathwik D Amin	Programming for Everybody (Getting Started with Python)	Coursera
144	Vishal P	Simulink Onramp	MathWorks
145	Sathwik D Amin	Matlab Onramp	MathWorks
146	Sachin Shetty	Introduction to IoT	Cisco Networking Academy
147	Samyak Chandra	The Bits and Bytes of Computer Networking	Coursera
148	Sachin Shetty	Cyber Security Essentials	Cisco Networking Academy
149	Samyak Chandra	Operating Systems and You: Becoming a Power User	Coursera
150	Sachin Shetty	Image Processing Onramp	MathWorks
151	Sachin Shetty	Simulink Onramp	MathWorks
152	Samyak Chandra	Introduction to Cybersecurity Tools & Cyber Attacks	Coursera

153	Samyak Chandra	MATLAB Onramp	MathWorks
154	Aishwarya	MATLAB Onramp	MathWorks
155	Neha	TI Embedded System design using MSP 430 MCU	NPTEL
156	Swathi Antaragangi	Matlab Onramp	MathWorks
157	Thashwin C S	Matlab Onramp	MathWorks
158	Varsha	Programming for Everybody (Getting Started with Python)	Coursera - Unicersity of Michigan
159	Thejasvi	Programming for Everybody (Getting Started with Python)	Coursera - Unicersity of Michigan
160	Thejasvi	Understanding Resarch Methods	Coursera - University of London
161	Thejasvi	Structuring Machine Learning Projects	Coursera - deeplearning.ai
162	Thejasvi	Introduction to Symbolic Math with MATLAB	MathWorks
163	Rakasha Kamath	Simulink Onramp	MathWorks
164	Rakasha Kamath	Image Processing Onramp	MathWorks
165	Rakasha Kamath	Matlab Onramp	MathWorks
166	Rakasha Kamath	AI for Everyone	Coursera
167	Rakasha Kamath	Introduction to the Internet of Things and Embedded systems	Coursera
168	Rakasha Kamath	Python Data Structure	Coursera
169	Rakasha Kamath	Programming for Everybody	Coursera
170	Rakasha Kamath	SQL for Data Science	Coursera
171	Sanketh Prabhu	Image Processing On ramp	MathWorks

172	Sanketh Prabhu	Simulink Onamp	MathWorks
173	Sanketh Prabhu	The Fundamental of Digital Marketing	Google Digital Unlocked
174	Sanketh Prabhu	Python for Everybody	Coursera
175	Sanketh Prabhu	Using Python to Access Web Data	Coursera
176	Sanketh B Prabhu	Cybersecurity and the Internet of Things	Coursera
177	Sanketh B Prabhu	Introduction to the Internet of Things and Embedded Systems	Coursera
178	Sanketh B Prabhu	Neural Networks and Deep Learning	Coursera
179	Sanketh B Prabhu	Introduction to HTML5	Coursera
180	Sanketh B Prabhu	Cloud Computing Basics (Cloud 101)	Coursera
181	Sanketh B Prabhu	Introduction to Artificial Intelligence (AI)	Coursera
182	Sanketh B Prabhu	Capstone: Retrieving, Processing, and Visualizing Data with Python	Coursera
183	Sanketh B Prabhu	Programming for Everybody (Getting Started with Python)	Coursera
184	Sanketh B Prabhu	Using Databases with Python	Coursera
185	Sanketh B Prabhu	Cybersecurity and Its Ten Domains	Coursera
186	Sanketh B Prabhu	Python Data Structures	Coursera
187	Sanketh B Prabhu	AI0101EN: AI for Everyone: Master the Basics	EDX
188	Sanketh B Prabhu	IUCEE EWB India Student Leadership Course of 2020	IUCEE
189	Rajashree N P	Image Processing Onramp	MathWorks
190	Rajashree N P	Programming for Everybody (Getting Started with Python)	Cousera
191	Rajashree N P	Python Data Structures	Coursera

192	Princita D'Souza	Programming for Everybody (Getting Started with Python)	Coursera
193	Princita D'Souza	Introduction to the Internet of Things and Embedded Systems	Coursera
194	Princita D'Souza	Introduction to HTML5	Coursera
195	Princita D'Souza	Image Processing Onramp	MathWorks
196	Prima D'Souza	Image Processing Onramp	MathWorks
197	Prima D'Souza	Simulink Onramp	MathWorks
198	Rhea Cutinha	Image Processing Onramp	MathWorks
199	Rhea Cutinha	Programming for Everybody	Coursera
200	Sachin H K	MATLAB Onramp	MathWorks
201	Kshama Shetty	Programming for everybody	University of Michigan
202	Shibani R Shetty	Programming for everybody	University of Michigan
203	Shibani R Shetty	Using python to access web data	University of Michigan
204	Shibani R Shetty	Python data structures	University of Michigan
205	Shibani R Shetty	Introduction to IoT and Embedded systems	University of California
206	Shibani R Shetty	Programming fundamentals	Duke University
207	Shibani R Shetty	Using databases with python	University of Michigan
208	Sudeep Sapnil Gonsalves	Using python to access web data	University of Michigan
209	Suddep Sapnil Gonsalves	Control of mobile robots	Georgia Institute of Technology
210	Sudeep Sapnil Gonsalves	Python data structure	University of Michigan
211	Sudeep Sapnil Gonsalves	Advanced driving assistant system using MATLAB	Agimus technology
212	Sudeep Sapnil Gonsalves	Programming for everybody	University of Michigan

213	Sharanya P	Python data structure	University of Michigan
214	Sharanya P	Programming for everybody	University of Michigan
215	Shawn Lawrence Dante	AR & Video streaming services	Yonsei University
216	Shravya S	Linear Circuits	Georgia Institute of Technology
217	Shravya S	Image Processing on Ramp	MathWorks
218	Shravya S	Simulink on Ramp	MathWorks
219	Shravya S	Fundamentals of Digital Marketing	Google
220	Shrikanth	Introduction to big data	University of San Diego
221	Shrinidi	Image processing Onramp	MathWorks
222	Shrinidi	Simulink Onramp	MathWorks
223	Shrinidhi	Microsoft Virtual Internship	Insidesherpa
224	Shrinidhi	Python Data structures	Python Data structures
225	Shrinidhi	Fundamentals of Digital Marketing	Google Digital Unlocked
226	Shrinidhi	Google Web Designer Basics	Google
227	Shane Charles D'souza	SQL & Relational databases	Cognitive class
228	Shane Charles D'souza	Introduction to HTML	University of Michigan
229	Shane Charles D'souza	Introduction to IoT & Embedded system	University of California
230	Shane Charles D'souza	Simulink on RAMP	MathWorks
231	Suraj B Shetty	Programming for everybody	University of Michigan
232	Suraj B Shetty	Python data structures	University of Michigan
233	Suraj B Shetty	Using Python to access Web data	University of Michigan
234	Suraj B Shetty	Capstone: Retrieving, Processing & Visualizing data	University of Michigan

235	Suraj B Shetty	Introduction to CSS3	University of Michigan
236	Suraj B Shetty	Introduction to HTML	University of Michigan

PLACEMENT DETAILS 2020-21

Sl. No.	NAME	USN	Company Placed
1	Manasa P	4SO17EC038	Capgemini
2	Payal L Shet	4SO17EC059	Capgemini
3	Princita Dsouza	4SO17EC063	Capgemini
4	Rakshanda Niranjan Nayak	4SO17EC068	Capgemini
5	Valona Christerl Mendonca	4SO17EC106	Capgemini
6	Navya Ramachandra Nayak	4SO17EC048	Cognizant
7	Nikhil S Kumar	4SO17EC050	Cognizant
8	Nikitha K	4SO17EC051	Cognizant
9	P V Sohan	4SO17EC058	Cognizant
10	Shawn Lawrence Dante	4SO17EC084	Cognizant
11	Shrikanth	4SO17EC088	Cognizant
12	Sumashri K	4SO17EC096	Cognizant
13	Shashank V M	4SO17EC110	Cognizant
14	Leisha Aloma Dias	4SO17EC032	Cognizant
15	Meghashree	4SO17EC040	Dell Technologies
16	Adlin Marceline Pinto	4SO17EC002	Global ESoftSys
17	Gowtam C S	4SO17EC022	Global ESoftSys
18	Rolson Lynal Dsouza	4SO17EC071	Global ESoftSys
19	Venisha Shaily Dsouza	4SO17EC107	Global Esoftsys
20	Vinyas	4SO17EC108	Global Esoftsys
21	Shrinidi	4SO17EC089	Hexaware
22	Abhishek V S	4SO17EC001	Hexaware
23	Hitesh D S	4SO17EC025	Infosys
24	Macwin Madtha	4SO17EC037	Infosys
25	Nikitha K	4SO17EC051	Infosys
26	Hanisha Shaini Gonsalves	4SO17EC024	Infosys
27	Kavyashree	4SO17EC028	Infosys

28	Carlton Hansen Lobo	4SO17EC111	Infosys Certification
29	Lavanya K	4SO17EC031	iOPEX
30	Melanie Rhea Dsouza	4SO17EC041	iOPEX
31	Sameeksha	4SO17EC075	iOPEX
32	Sindhushree V	4SO17EC090	iOPEX
33	Spoorthi S Hegde	4SO17EC091	iOPEX
34	Abhishek V S	4SO17EC001	LTI
35	Ligina Mary	4SO17EC033	LTI
36	Prajwal B	4SO17EC061	LTI
37	Suraksha Shetty	4SO17EC098	LTI
38	Prajwal B	4SO17EC061	Maventic
39	Shrikanth	4SO17EC088	Novigo Solutions
40	Divyashri P	4SO17EC020	Qspiders
41	Sanith Dsouza	4SO17EC076	Qspiders
42	Savanth S Bangera	4SO17EC079	Qspiders
43	Sharanya P	4SO17EC083	Qspiders
44	Afiya Nafeesa	4SO17EC003	Robosoft Technologies
45	Anish H	4SO17EC005	Robosoft Technologies
46	Leisha Aloma Dias	4SO17EC032	Robosoft Technologies
47	Nikitha K	4SO17EC051	Robosoft Technologies
48	Nithin D Souza	4SO17EC053	Robosoft Technologies
49	Sushma K Rai	4SO17EC099	Robosoft Technologies
50	Valona Christerl Mendonca	4SO17EC106	Robosoft Technologies
51	Sagar Nayak	4SO17EC074	SiFive
52	Adlin Marceline Pinto	4SO17EC002	SiFive
53	Carlton Hansen Lobo	4SO17EC111	SiFive
54	Abhishek V S	4SO17EC001	SiFive
55	Muriel Samira Pinto	4SO17EC046	SLK Software
56	Katherine Helen Dsouza	4SO17EC027	Sonata Software
57	Melvisha Neema Dsouza	4SO17EC042	SSI
58	Monisha Priya Fernandes	4SO17EC044	SSI
59	Ashish Bellur P	4SO17EC009	TCS
60	Brinnel Dsouza	4SO17EC013	TCS
61	Meghashree	4SO17EC040	TCS
62	Raksha Kamath	4SO17EC067	TCS
63	Shibani S Shetty	4SO17EC086	TCS
64	Sushmitha	4SO17EC100	TCS

65	Afiya Nafeesa	4SO17EC003	TCS
66	Nikhil S Kumar	4SO17EC050	TCS
67	P V Sohan	4SO17EC058	TCS
68	Shawn Lawrence Dante	4SO17EC084	TCS
69	Shrinidi	4SO17EC089	TCS
70	Sumashri K	4SO17EC096	TCS
71	Leisha Aloma Dias	4SO17EC032	TCS
72	Carlton Hansen Lobo	4SO17EC111	TCS
73	Rakshanda Niranjan Nayak	4SO17EC068	Verisk
74	Astrid Jane Fernandes	4SO17EC011	VMWare
75	Ligina Mary	4SO17EC033	VMWare
76	Neema	4SO17EC049	VMWare
77	Leisha Aloma Dias	4SO17EC032	WinWire Technologies
78	Rakshanda Niranjan Nayak	4SO17EC068	iOPEX
79	Rakshanda Niranjan Nayak	4SO17EC068	Mindtree
80	Kavyashree	4SO17EC028	IBM
81	Suraj Shetty	4SO17EC097	Novigo Solutions
82	Naveen Shervin Dsouza	4SO17EC047	Novigo Solutions
83	Katherine Helen Dsouza	4SO17EC027	Bosch Ltd
84	P Sanath Kumar	4SO17EC057	Bosch Ltd
85	Mohammed Afreed	4SO17EC043	iOPEX
86	Leisha Aloma Dias	4SO17EC032	Winman Software India LLP

PLACED STUDENTS

FINAL YEAR STUDENTS
2020-21

A Section

B Section

Abhishek V S

Adlin Pinto

Afiya Nafeesa

Afreed
Mohammed

Ananya L
Devadiga

Anil Nayar

Anish H

Ankitha

Apeksha M R

Arun Naik

Ashish Bellur P

Ashrith Amin

Astrid Fernandes

Ayesha

Azaine Ali

Brinnel DSouza

Calvina Dsouza

Carlton Hansen
Lobo

Chaithanya

Deeksha
Suvarna

Deeksha

Deekshith P S

Divij Kumar

Divyashri P

Gashmitha Shetty

Gowtam C S

Gurucharan K S

Hanisha Shaini
Gonsalves

Hitesh D S

Joshua
Fernandes

80

Jowin Pinto	Karishma Toppo	Katherine Helen Dsouza	Kavyashree	Kiran Raj KM
Kshama Shetty	Lavanya Kumble	Leisha Dias	Ligina Mary	Lishma Anisha Pinto
Lohit	M Shodhana	Macwin Madtha	Manasa P	Mathew Babu
Meghashree	Melanie Dsouza	Melvisha Neema D Souza	Mohammed Raiyan	Monisha Priya Fernandes
Mounish M	Muriel Samira Pinto	Naveen Shervin Dsouza	Navya Nayak	Neema Suvarna
Nikhil Kumar	Nikhil Shetty	Nikitha K	Nishitha K	Nithin Dsouza

Nitinchandra R S	Niveditha D	Osweeta D Souza	P Sanath Kumar	P V Sohan
Payal L Shet	Pradeep Shetty	Prajwal B	Prima Clara Dsouza	Princita Dsouza
Priyanka R	Priyanka Shetty	Rajashree N P	Raksha Kamath	Rakshanda Niranjan Nayak
Ravi	Rhea Cutinha	Rohan K R Raj	Rolson Dsouza	Rolwin Sequeira
Royson Dsouza	Sachin Shetty	Sagar Nayak	Sameeksha	Sanith Dsouza
Sanjan J	Sanketh B Prabhu	Savanth S Bangera	Shaichith Rai	Shane Dsouza

Sharanya P

Shashank V M

Shawn Lawrence
Dante

Shibani S
Shetty

Shravya S

Shrikanth

Shrinidi

Siddharth

Sindhushree V

Sowmya SK

Spoorthi Hegde

Stalin Saldanha

Stellon Toras

Suchetha C
Mogaveera

Zian

Sudeep Sapnil
Gonsalves

Sumashri K

Suraj B Shetty

Suraksha Shetty

Sushma K Rai

Sushmitha

Sweedel Lobo

Thanush Shetty

Thrupthi

Vaishnav K

Valene Pinto

Valona
Mendonca

Venisha
Shaily Dsouza

Vibert
Tavares

Vinyas Sanil

Vishal P A

TESTIMONIALS

Name: **Andrea Natasha Gonsalves**
Batch of Engineering: **2012-2016**
Current Designation: **Co-Founder, MARKET BIRD**
Achievements: **M.Eng from the University of Melbourne, Australia in 2019**

Testimonial:

It was a great experience studying at St Joseph Engineering College, Vamanjoor, a memory to cherish for a lifetime. The College gave me opportunities to explore and develop my leadership and team skills. The professors here are ever ready to help, not only delivering classroom teachings, but being guides by our sides and preparing us to embrace the ever-evolving Global Challenges. I was able to join and successfully complete my Masters from the University of Melbourne, Australia and now I am an entrepreneur. The learning gained from this esteemed College is a treasure for life.

Name: *Jeevitha Lora Rodrigues*
Batch of Engineering: **2020**
Current Designation: **Associate IT Consultant, ITC Infotech Pvt Ltd**
Achievements:
1. Pat On the Back-Ripple Effect Award, from ITC Infotech (Oct 2021)
2. The Avengers - POTB Award, from ITC Infotech (Oct 2021)
3. Best Outgoing Student - Batch of 2020, Dept of ECE, SJEC (Feb 2021)
4. Most Rev. Dr Peter Paul Saldanha Gold medal - Batch of 2020, Dept of ECE, SJEC (Feb 2021)

Testimonial:
When I look back at the days spent in the ECE department at SJEC, I see a transferable set of competencies that got built up over a period of time in me. The department triggered my learning curve to rise towards knowledge and creativity. Value-added programs, Career growth programs, Aptitude classes, Technical talks, etc organized here, laid a concrete foundation for a challenging corporate journey. The faculty always had open arms and there was so much that I got to learn from each of them. I'm forever grateful for all the valuable experiences, infinite opportunities and indelible memories this department has gifted me with for a lifetime!

Name: **Sudeep Sapnil Gonsalves**
Batch of Engineering: **2021**
Current Designation: **Student, Msc in Automation and Control, Newcastle university, UK**
Achievements: **5th rank in Taxi project, Asia University, Taiwan**

Testimonial:

On the verge of finishing my 4 years at SJEC, I, Sudeep Sapnil Gonsalves, currently pursuing my 8th semester in the Department of Electronics and Communication Engineering and feel extraordinarily thrilled to pen down my experience with this branch the opportunities given to broaden my knowledge.

The Office of Collaboration together with the E&C branch allowed me to be a part of a summer internship program at Asia University, Taiwan in the subject of Artificial intelligence and Machine learning. Interns from multiple international locations participated in the program which endorsed me to have a closer look at their work culture and this completely blew my mind and time management became the quintessential part of the program. I feel privileged to mention that I secured the fifth rank in "the taxi project".

This opportunity from the E&C department not only helped me gain knowledge in technical abilities however additionally gave numerous insights on growing my managerial abilities. This allowed me to beautify my resume while applying for higher studies and additionally helped me stand one step ahead of others during the selection process.

I would like to thank the dynamic faculties from our department in addition to the college for directing and guiding me throughout my life at SJEC.

ARTICLES

ಮಿಲನ್

ಸುತ್ತಲೂ ಹಚ್ಚ ಹಸಿರು,
ಪ್ರಾಧ್ಯಾಪಕರಾದರು ವಿದ್ಯಾರ್ಥಿಗಳ ಉಸಿರು,
ಸಾವಿರಾರು ಮನಗಳ ಕನಸು,
'ಎಸ್.ಜೆ.ಇ.ಸಿ' ಎಂದೆ ಹೆಸರು.

'ಇ.ಸಿ' ಹೆಚ್ಚೋ 'ಸಿ.ಎಸ್' ಹೆಚ್ಚೋ,
'ಸಿವಿಲ್' ಹೆಚ್ಚೋ 'ಮೆಕ್' ಹೆಚ್ಚೋ,
ತಾರತಮ್ಯ ತೊರೆದು ಒಟ್ಟುಗೂಡುವ ಹುಮ್ಮಸ್ಸು,
'ಮಿಲನ್' ಆಚರಣೆಯ ಸೊಗಸು.

ರಂಗು-ರಂಗಿನ ರಂಗೋಲಿ,
ಸಿದ್ಧಾಗಿರುವುದು ಮಡಿಕೆಗಳು ಸಾಲಿನಲಿ,
ಎಲ್ಲೆಲ್ಲೂ ಸಾಂಪ್ರದಾಯಿಕ ವೇಷಭೂಷಣ,
ಕುಣಿಸುವುದು ಹುಲಿವೇಷದ ನಾದನ.

ಚಿಗುರುವುದು ಎಲ್ಲೆಡೆ ಸಂಭ್ರಮ,
ತಿಳಿಯುವುದು ಹಬ್ಬದ ಮಹತ್ವ,
ಆಗುವೆವು ಒಂದು ಕುಟುಂಬ,
'ಎಸ್.ಜೆ.ಇ.ಸಿ' ಎಂಬ ಮಂತ್ರಾಲಯದಲ್ಲಿ.

- ಸುರಕ್ಷಾ ಶೆಟ್ಟಿ

ಹಚ್ಚ ಹಸಿರಿನ ಪ್ರಕೃತಿಯ ಸ್ವಾದ
ಜುಳು ಜುಳು ಹರಿಯುವ ನೀರಿನ ನಿನಾದ
ಸ್ವಾತಿ ಮುತ್ತಿನಂಥ ಮಳೆ
ಆಹಾ !!ಎಷ್ಟು ಸುಂದರ ಈ ಇಳೆ...

ಸುತ್ತಲು ತುಂಬಿದೆ ಹಕ್ಕಿಗಳ ಕಲರವ
ಅದರ ಜೊತೆ ಕಂಡೆ ಮೋಡದ ಚಿತ್ತಾರವ
ಬಣ್ಣ ಬಣ್ಣದ ಹೂಗಳು ಆಗಿಹುದು ಅಲಂಕಾರ
ಪ್ರಕೃತಿ ಮಾತೆಯೇ, ಯಾರಿಹರು ನಿನಗಿಂತ ಸುಂದರ? !

ಸಹನೆ ನೆಮ್ಮದಿ ಸುಖ ಸ್ಫೂರ್ತಿ
ನಿನ್ನ ಬೊಗಸೆಯಲ್ಲಿದೆ ಎಲ್ಲಾ ಪ್ರೀತಿ
ನೀಲಿ ಅಂಬರದಲಿ ತಂಗಾಳಿ ಬೀಸಲು
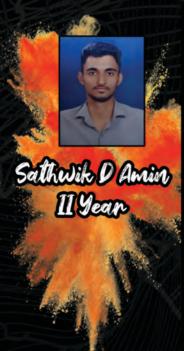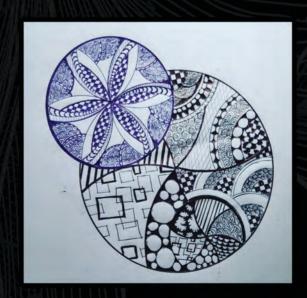ವರ್ಣಿಸಿದಷ್ಟು ಮುಗಿಯದು ಪದಗಳ ಸಾಲು....

-ಸುಷ್ಮ

Raksha Dayanand
III Year

Sathwik D Amin
II Year

Navya M
11 Year

91

Niveditha P
II Year

Thejasvi
11 Year

Gagan G Honnavarkar
III Year

Refresh

94

Rohan Joby
III Year

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ASHIK K C

" The ideal engineer is a composite... He is not a scientist,
he is not a mathematician, he is not a sociologist or a writer;
but he may use the knowledge and techniques of any or all
of these disciplines in solving engineering problems. "